

Direct Dial: (703) 827-5260

STATISTICAL

No. 48-91 May 1, 1991

U.S. FOREIGN TRADE IN MANUFACTURING TECHNOLOGY – FEBRUARY 1991
 (Values in Millions of U.S. Dollars)

	<u>Feb.</u> <u>1991</u>	<u>Jan.</u> <u>1991</u>	<u>Average</u> <u>Nov.-Jan.</u>	<u>Year to</u> <u>Date '91</u>	<u>Year to</u> <u>Date '90</u>	<u>% Change</u> <u>YTD '90-'91</u>
METAL CUTTING MACHINE TOOLS						
Exports	\$ 58.1	\$ 43.6	\$ 45.9	\$101.7	\$112.9	(9.9%)
Imports	\$110.3	\$138.6	\$126.2	\$248.8	\$295.9	(15.9%)
Balance	(\$ 52.2)	(\$ 95.0)	(\$ 80.3)	(\$147.1)	(\$183.0)	(19.6%)
METAL FORMING MACHINE TOOLS						
Exports	\$ 34.3	\$ 32.4	\$ 39.2	\$ 66.7	\$ 76.2	(12.5%)
Imports	\$ 40.7	\$ 50.3	\$ 54.6	\$ 91.0	\$ 74.2	22.6%
Balance	(\$ 6.4)	(\$ 17.9)	(\$ 15.4)	(\$ 24.3)	\$ 2.0	NM
MACHINE TOOL TOTAL						
Exports	\$ 92.5	\$ 76.0	\$ 85.1	\$168.4	\$189.0	(10.9%)
Imports	\$150.9	\$188.9	\$180.8	\$339.8	\$370.1	(8.2%)
Balance	(\$ 58.4)	(\$112.9)	(\$ 95.7)	(\$171.4)	(\$181.1)	(5.4%)
NUMERICALLY CONTROLLED MACHINE TOOLS						
Exports	\$ 33.2	\$ 21.0	\$ 27.2	\$ 54.2	\$ 65.0	(16.6%)
Imports	\$ 81.3	\$ 92.2	\$ 81.7	\$173.5	\$203.0	(14.5%)
Balance	(\$ 48.1)	(\$ 71.2)	(\$ 54.5)	(\$119.3)	(\$138.0)	(13.6%)
OTHER MANUFACTURING TECHNOLOGY						
Exports	\$124.3	\$141.5	\$145.4	\$265.8	\$288.0	(7.7%)
Imports	\$144.6	\$182.5	\$171.7	\$327.1	\$352.3	(7.2%)
Balance	(\$ 20.3)	(\$ 41.0)	(\$ 26.3)	(\$ 61.3)	(\$ 64.3)	(4.7%)

Note: Numerically controlled machine tools is a subgroup of the machine tool total. NM = not meaningful; () denotes negative. Individual items may not add up to totals due to rounding.

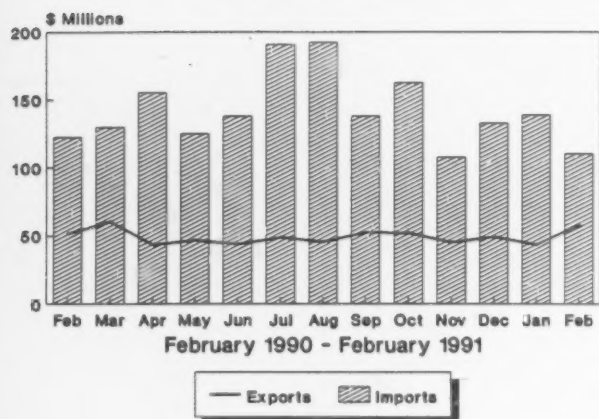
• U.S. machine tool exports in February rose 22% over January to \$92.5 million, the highest monthly total since March 1990. Year-to-date exports are down 11% from last year.

• Machine tool imports in February were \$150.9 million, down 20% from January's \$188.9 million and the lowest monthly total since May 1988.

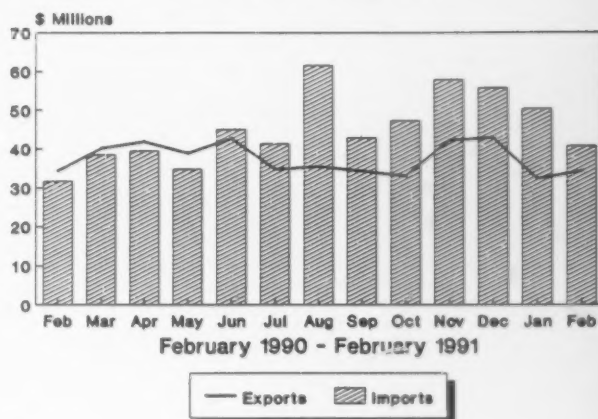
• The machine tool trade deficit of \$58.4 million in February was the lowest since November 1984.

U.S. MONTHLY TRADE IN MACHINE TOOLS

METAL CUTTING



METAL FORMING

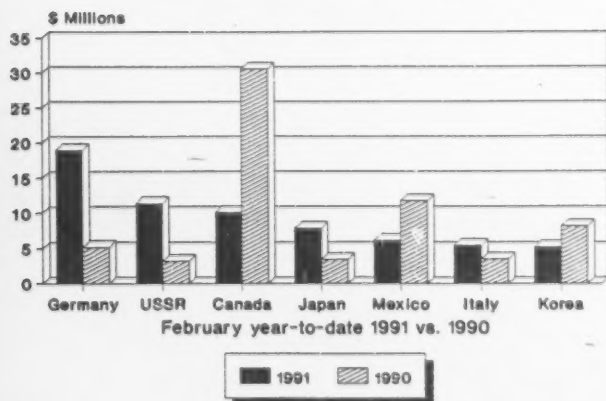


METAL CUTTING MACHINE TOOLS

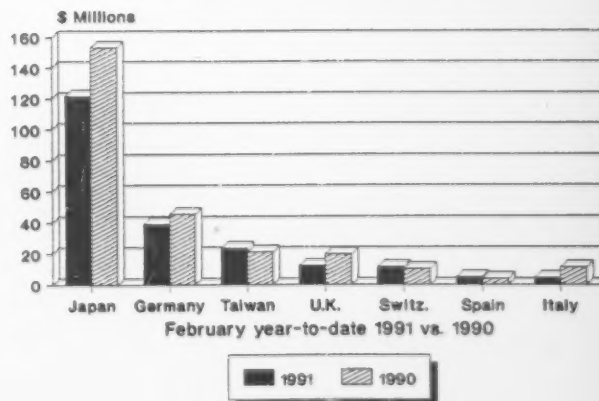
Exports

- Exports of metal cutting machines were \$58.1 million in February, up 33% over January. Year-to-date exports of \$101.7 million were down 10% from 1990.
- The Soviet Union was the largest export market in February, courtesy of three transfer machines valued at \$10.5 million. Exports to Germany were \$10.2 million, for a year-to-date total of \$19.0 million, more than triple last year.
- Exports of grinding machines rebounded to \$10.3 million in February from \$5.9 million in January; exports of machining centers more than doubled to \$4.7 million in February from January.

LEADING U.S. EXPORT MARKETS METAL CUTTING MACHINES



LEADING U.S. IMPORT SOURCES METAL CUTTING MACHINES



Imports

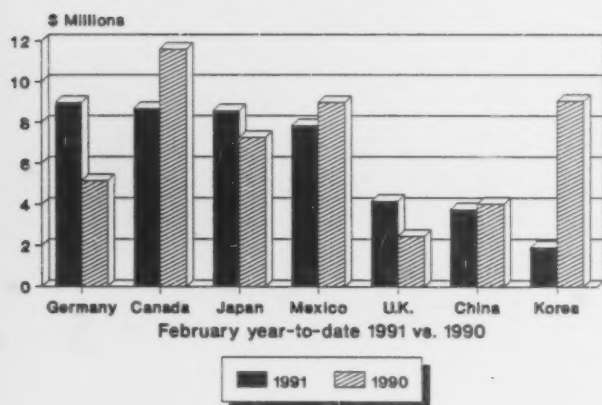
- Imports of metal cutting machines in February fell to \$110.3 million from January's \$138.6 million. Year-to-date imports were down 16% from last year.
- Imports of machining centers fell to \$22.1 million in February from \$33.6 million in January. Imports of milling machines plunged to \$2.8 million in February from \$12.8 million in January.
- Year-to-date imports from Japan (\$121.7 million) were down 21% from last year; imports from Germany (\$39.1 million) were down 14%.

METAL FORMING MACHINE TOOLS

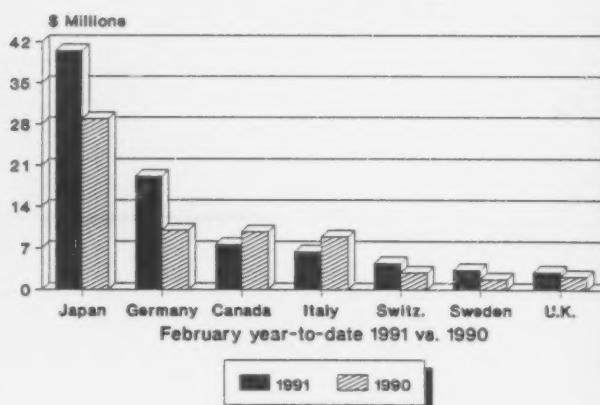
Exports

- Exports of metal forming machines in February rose slightly to \$34.3 million from \$32.4 million in January. Year-to-date exports were down 12% from last year.
- The top year-to-date export markets: Germany (\$9.0 million), Canada (\$8.7 million) and Japan (\$8.6 million).
- Year-to-date exports of presses (\$13.2 million) and punching and shearing machines (\$10.0 million) were down 29% and 30% respectively, from last year. Exports of bending and forming machines (\$11.2 million) were up 20% over last year at this time.

LEADING U.S. EXPORT MARKETS
METAL FORMING MACHINES



LEADING U.S. IMPORT SOURCES
METAL FORMING MACHINES



Imports

- Year-to-date imports of metal forming machines reached \$91.0 million in February, up 23% over 1990. Imports in February fell to \$40.7 million, down 19% from January.
- The top import sources in 1991 through February include Japan (\$40.5 million, up 40% over 1990), Germany (\$19.2 million, up 92%), Canada (\$7.6 million, down 22%) and Italy (\$6.4 million, down 29%).
- Year-to-date imports of presses (\$25.3 million value, 389 units) were down 45% in unit terms but up 141% in value terms from 1990. Imports of bending and forming machines were up 4% in unit terms and up 23% in value terms from last year.

OTHER MANUFACTURING TECHNOLOGY

Exports

- Year-to-date exports of other manufacturing technology of \$265.8 million were down from \$288.0 million last year. Exports of machine tool parts and accessories so far in 1991 (\$110.8 million) were down from last year's \$119.4 million.
- Exports of injection molding machines totalled \$2.9 million in February for a year-to-date total of \$8.6 million. The top markets so far in 1991: Mexico (\$3.7 million) and Canada (\$2.4 million).

Imports

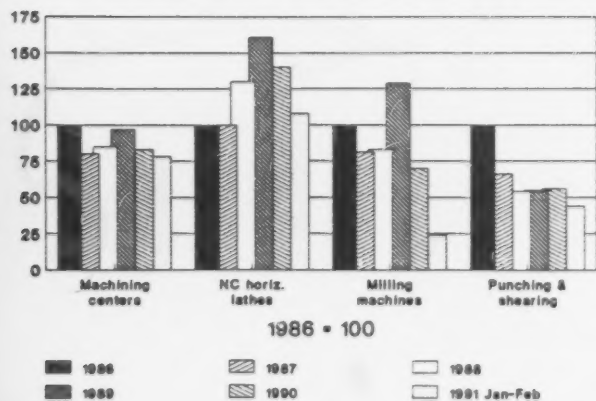
- Imports of machine tool parts and accessories totalled \$89.0 million in 1991 through February, down from \$100.7 million in 1990. Imports of blow molding machines were \$9.2 million in 1991, up from \$8.2 million last year.
- Year-to-date imports of industrial robots and parts totalled \$42.2 million through February. The comparable figure for 1990: \$39.1 million.

MONTHLY FOCUS

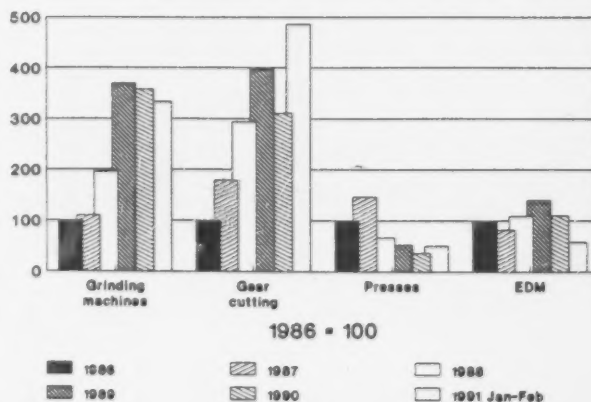
The charts below show U.S. machine tool imports from Japan by value since 1986 for select machine categories, indexed to show relative growth. The chart on the left shows categories which are covered by voluntary restraint agreements with Japan -- import growth in these categories has been moderate or negative. The chart on the right shows select non-VRA categories. Imports of these machines have increased much more quickly. Imports of presses from Japan in 1986 and 1987 were unusually high, which explains the lower index numbers in later years for that category.

Two categories not shown on the right hand chart -- forging machines and station type machines -- have shown remarkable import growth since 1986. Imports of forging machines from Japan were \$2.6 million in 1986, but \$68.2 million and \$37.1 million in 1989 and 1990 respectively. Imports of station type machines rose from \$1.7 million in 1986 to \$40.0 million in 1990.

U.S. Machine Tool Imports From Japan



U.S. Machine Tool Imports From Japan



1991 EXPORTS

METAL CUTTING

COUNTRY	FEBRUARY	JANUARY	%CHANGE	FEB YTD '91	FEB YTD '90	%CHANGE
West Germany	\$10,184,699	\$ 8,827,813	15.37%	\$19,012,512	\$5,165,845	268.04%
USSR	10,472,534	923,067	1,034.54	11,395,601	3,207,507	255.28
Canada	6,008,374	4,079,654	47.28	10,080,028	30,626,364	-67.06
Japan	3,606,994	4,230,011	-14.73	7,837,005	3,383,548	131.62
Mexico	2,262,432	3,855,967	-41.33	6,118,399	11,768,108	-48.01
Italy	3,222,563	2,218,427	45.26	5,440,990	3,496,743	55.60
Korea	2,708,494	2,471,187	9.60	5,179,681	8,147,493	-36.43
U.K.	3,135,990	1,291,592	142.80	4,427,582	12,379,843	-64.24
France	780,936	3,136,337	-75.10	3,917,273	2,878,703	36.08
China	2,005,072	1,355,450	47.93	3,360,522	1,502,814	123.62
India	1,515,489	1,797,948	-15.71	3,313,437	5,121,983	-35.31
Belgium	1,655,669	976,425	69.56	2,632,094	3,360,923	-21.69
Netherlands	1,186,314	636,422	86.40	1,822,736	713,687	155.40
Switzerland	1,540,372	131,021	1,075.67	1,671,393	878,543	90.25
Brazil	1,151,627	347,227	231.66	1,498,854	5,681,553	-73.62
Venezuela	667,127	748,551	-10.88	1,415,678	161,824	774.83
Australia	108,172	998,164	-89.16	1,106,336	3,769,878	-70.65
Singapore	669,978	365,392	83.36	1,035,370	1,310,329	-20.98
Taiwan	200,118	502,989	-60.21	703,107	2,050,213	-65.71
Thailand	248,246	167,845	47.90	416,091	237,073	75.51
Spain	61,080	187,092	-67.35	248,172	1,184,761	-79.05
Indonesia	33,600	15,125	122.15	48,725	87,869	-44.55
Malaysia	3,800	39,207	-90.31	43,007	265,288	-83.79
Austria	18,797	10,058	86.89	28,855	69,019	-58.19

METAL FORMING

COUNTRY	FEBRUARY	JANUARY	%CHANGE	FEB YTD '91	FEB YTD '90	%CHANGE
West Germany	\$ 2,753,875	\$ 6,206,872	-55.63%	\$ 8,960,747	\$ 5,159,937	73.66%
Canada	3,589,513	5,087,662	-29.45	8,677,175	11,591,822	-25.14
Japan	5,813,540	2,746,654	111.66	8,560,194	7,253,595	18.01
Mexico	3,796,173	4,056,278	-6.41	7,852,451	8,982,751	-12.58
U.K.	2,017,333	2,149,158	-6.13	4,166,491	2,442,182	70.61
China	2,046,901	1,724,628	18.69	3,771,529	4,030,771	-6.43
Korea	244,380	1,665,256	-85.32	1,909,636	9,049,145	-78.90
Italy	403,870	1,216,397	-66.80	1,620,267	1,770,946	-8.51
Netherlands	1,282,795	169,421	657.16	1,452,216	1,443,386	0.61
Taiwan	1,198,916	6,970	17,101.09	1,205,886	1,406,057	-14.24
France	405,202	783,532	-48.29	1,188,734	4,287,128	-72.27
Brazil	97,426	907,783	-89.27	1,005,209	182,767	449.99
Thailand	761,803	155,628	389.50	917,431	312,267	193.80
Singapore	458,667	388,168	18.16	846,835	948,324	-10.70
Malaysia	450,394	182,895	146.26	633,289	120,232	426.72
India	209,322	282,559	-25.92	491,881	3,134,435	-84.31
Switzerland	28,032	365,203	-92.32	393,235	595,044	-33.91
Indonesia	0	358,560	-100.00	358,560	6,965	5,048.03
Australia	182,734	164,091	11.36	346,825	449,266	-22.80
Venezuela	82,090	90,265	-9.06	172,355	242,873	-29.03
Spain	141,174	18,813	650.41	159,987	707,384	-77.38
Belgium	46,368	78,918	-41.25	125,286	90,008	39.19
Austria	83,602	0	NA	83,602	730,383	-88.55
USSR	0	0	NA	0	0	NA

TOTAL METAL CUTTING AND METAL FORMING

COUNTRY	FEBRUARY	JANUARY	%CHANGE	FEB YTD '91	FEB YTD '90	%CHANGE
West Germany	\$12,938,574	\$15,034,685	-13.94%	\$27,973,259	\$10,325,782	170.91%
Canada	9,597,887	9,167,316	4.70	18,765,203	42,218,186	-55.55
Japan	9,420,534	6,976,665	35.03	16,397,199	10,637,143	54.15
Mexico	6,058,605	7,912,245	-23.43	13,970,850	20,750,859	-32.67
USSR	10,472,534	923,067	1,034.54	11,395,601	3,207,507	255.28
U.K.	5,153,323	3,440,750	49.77	8,594,073	14,822,025	-42.02
China	4,051,973	3,080,078	31.55	7,132,051	5,533,585	28.89
Korea	2,952,874	4,136,443	-28.61	7,089,317	17,196,638	-58.77
Italy	3,626,433	3,434,824	5.58	7,061,257	5,267,689	34.05
France	1,186,138	3,919,869	-69.74	5,106,007	7,165,831	-28.75
India	1,724,811	2,080,507	-17.10	3,805,318	8,256,418	-53.91
Netherlands	2,469,109	805,843	206.40	3,274,952	2,157,073	51.82
Belgium	1,702,037	1,055,343	61.28	2,757,380	3,450,931	-20.10
Brazil	1,249,053	1,255,010	-0.47	2,504,063	5,864,320	-57.30
Switzerland	1,568,404	496,224	216.07	2,064,628	1,473,587	40.11
Taiwan	1,399,034	509,959	174.34	1,908,993	3,456,270	-44.77
Singapore	1,128,645	753,560	49.78	1,882,205	2,258,653	-16.67
Venezuela	749,217	838,816	-10.68	1,588,033	404,697	292.40
Australia	290,906	1,162,255	-74.97	1,453,161	4,219,144	-65.56
Thailand	1,010,049	323,473	212.25	1,333,522	549,340	142.75
Malaysia	454,194	222,102	104.50	676,296	385,520	75.42
Spain	202,254	205,905	-1.77	408,159	1,892,145	-78.43
Indonesia	33,600	373,685	-91.01	407,285	94,834	329.47
Austria	102,399	10,058	918.09	112,457	799,402	-85.93

1991 IMPORTS

METAL CUTTING

COUNTRY	FEBRUARY	JANUARY	%CHANGE	FEB YTD '91	FEB YTD '90	%CHANGE
Japan	\$58,173,452	\$63,490,334	-8.37%	\$121,663,786	\$153,080,137	-20.52%
West Germany	14,079,563	25,045,900	-43.78	39,125,463	45,721,538	-14.43
Taiwan	9,050,342	14,670,300	-38.31	23,720,642	21,289,716	11.42
U.K.	6,691,361	5,685,024	17.70	12,376,385	19,733,764	-37.28
Switzerland	6,924,518	4,696,812	47.43	11,621,330	10,220,636	13.70
Spain	2,314,406	2,455,208	-5.73	4,769,614	3,791,124	25.81
Italy	1,744,569	2,765,832	-36.92	4,510,401	11,224,813	-59.82
Sweden	1,403,180	3,064,111	-54.21	4,467,291	2,830,718	57.81
Korea	2,063,478	1,297,883	58.99	3,361,361	3,890,332	-13.60
Canada	2,173,091	1,058,518	105.30	3,231,609	4,101,831	-21.22
France	589,037	2,550,411	-76.90	3,139,448	3,304,277	-4.99
Singapore	735,823	1,114,025	-33.95	1,849,848	4,692,473	-60.58
Brazil	190,907	976,416	-80.45	1,167,323	1,998,633	-41.59
Belgium	34,048	768,044	-95.57	802,092	184,536	334.65

METAL FORMING

COUNTRY	FEBRUARY	JANUARY	%CHANGE	FEB YTD '91	FEB YTD '90	%CHANGE
Japan	\$15,590,823	\$24,880,673	-37.34%	\$40,471,496	\$28,922,713	39.93%
West Germany	8,957,809	10,206,658	-12.24	19,164,467	9,985,991	91.91
Canada	4,137,691	3,451,169	19.89	7,588,860	9,781,104	-22.41
Italy	2,177,188	4,185,027	-47.98	6,362,215	8,936,684	-28.81
Switzerland	2,467,453	1,946,715	26.75	4,414,168	2,884,124	53.05
Sweden	2,934,413	382,640	666.89	3,317,053	1,707,994	94.21
U.K.	1,602,076	1,354,132	18.31	2,956,208	2,243,958	31.74
Taiwan	1,123,609	643,687	74.56	1,767,296	1,907,751	-7.36
Belgium	425,159	853,913	-50.21	1,279,873	4,609,735	-72.25
Spain	336,142	579,193	-41.96	915,335	496,527	84.35
France	268,785	277,255	-3.05	546,040	289,461	88.64
Singapore	300,254	0	NA	300,254	0	NA
Brazil	0	38,940	-100.00	38,940	0	NA
Korea	29,384	0	NA	29,384	1,311	2,141.34

TOTAL METAL CUTTING AND METAL FORMING

COUNTRY	FEBRUARY	JANUARY	%CHANGE	FEB YTD '91	FEB YTD '90	%CHANGE
Japan	\$73,764,275	\$88,371,007	-16.53%	\$162,135,282	\$182,002,850	-10.92%
West Germany	23,037,372	35,252,558	-34.65	58,289,930	55,707,529	4.64
Taiwan	10,173,951	15,313,987	-33.56	25,487,938	23,197,467	9.87
Switzerland	9,391,971	6,643,527	41.37	16,035,498	13,104,760	22.36
U.K.	8,293,437	7,039,156	17.82	15,332,593	21,977,722	-30.24
Italy	3,921,757	6,950,859	-43.58	10,872,616	20,161,497	-46.07
Canada	6,310,782	4,509,687	39.94	10,820,469	13,882,935	-22.06
Sweden	4,337,593	3,446,751	25.85	7,784,344	4,538,712	71.51
Spain	2,650,548	3,034,401	-12.65	5,684,949	4,287,651	32.59
France	857,822	2,827,666	-69.66	3,685,488	3,593,738	2.55
Korea	2,092,862	1,297,883	61.25	3,390,745	3,891,643	-12.87
Singapore	1,036,077	1,114,025	-7.00	2,150,102	4,692,473	-54.18
Belgium	459,207	1,621,957	-71.69	2,081,164	4,794,271	-56.59
Brazil	190,907	1,015,356	-81.20	1,206,263	1,998,633	-39.65

1991 U.S. EXPORTS

BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1991		FEBRUARY 1991		FEB '91 Y-T-D TOTALS	
	Units	Value	Units	Value	Units	Value
Used & Rebuilt & Under \$2,500	5,350	13,231,937	5,314	9,384,660	10,664	22,616,597
Boring Machines	8	572,189	8	2,689,884	16	3,262,073
Drilling Machines	104	2,125,292	72	2,302,444	176	4,427,736
Gear Cutting Machines	14	7,378,919	23	3,441,470	37	10,820,389
Grinding Machines	244	5,937,543	272	10,254,977	516	16,192,520
Horizontal Lathes NC	15	2,388,500	33	3,043,968	48	5,432,468
Vertical Lathes NC	1	161,310	2	341,835	3	503,145
Lathes Non-NC	37	817,093	46	1,273,108	83	2,090,201
Milling Machines	21	1,285,651	27	1,256,940	48	2,542,591
Machining Centers	18	2,251,834	27	4,699,366	45	6,951,200
Station Type Machines	7	6,763,963	10	16,280,662	17	23,044,625
Other Metal Cutting	223	7,078,662	278	7,046,503	501	14,125,165
Punching & Shearing Machines	108	4,513,331	79	5,456,279	187	9,969,610
Bending & Forming Machines	116	4,251,882	102	6,952,107	218	11,203,989
Presses	293	7,418,063	96	5,734,227	389	13,152,290
Forging Machines	11	2,746,151	19	5,146,204	30	7,892,355
Other Metal Forming	231	7,030,224	185	7,182,512	416	14,212,736
TOTAL	6,801	75,952,544	6,593	92,487,146	13,394	168,439,690

PRODUCT TYPES	FEBRUARY 1990		FEB '90 Y-T-D TOTALS	
	Units	Value	Units	Value
Used & Rebuilt & Under \$2,500	4,543	10,935,156	7,442	23,159,171
Boring Machines	8	1,407,307	21	2,365,604
Drilling Machines	53	920,425	163	3,175,844
Gear Cutting Machines	19	3,700,605	60	9,255,472
Grinding Machines	228	10,470,138	499	25,681,868
Horizontal Lathes NC	35	5,062,164	78	9,925,997
Vertical Lathes NC	0	0	5	1,223,137
Lathes Non-NC	48	1,473,294	106	2,586,335
Milling Machines	29	3,228,995	77	6,825,636
Machining Centers	34	6,062,752	99	13,589,709
Station Type Machines	28	7,752,282	38	13,126,623
Other Metal Cutting	312	7,438,893	626	14,604,262
Punching & Shearing Machines	121	9,826,370	228	14,253,823
Bending & Forming Machines	125	3,466,071	262	9,368,423
Presses	130	6,795,010	389	18,477,634
Forging Machines	16	2,278,536	42	7,293,831
Other Metal Forming	264	5,154,346	529	14,129,044
TOTAL	5,993	85,972,344	10,664	189,042,413

PRODUCT TYPES	% CHANGE JAN '91 - FEB '91		% CHANGE FEB '90 - FEB '91		% CHANGE YTD '90 - YTD '91	
	Units	Value	Units	Value	Units	Value
Used & Rebuilt & Under \$2,500	-0.67	-29.08	16.97	-14.18	43.29	-2.34
Boring Machines	0.00	370.10	0.00	91.14	-23.81	37.90
Drilling Machines	-30.77	8.34	35.85	150.15	7.98	39.42
Gear Cutting Machines	64.29	-53.36	21.05	-7.00	-38.33	16.91
Grinding Machines	11.48	72.71	19.30	-2.05	3.41	-36.95
Horizontal Lathes NC	120.00	27.44	-5.71	-39.87	-38.46	-45.27
Vertical Lathes NC	100.00	111.91	NA	NA	-40.00	-58.86
Lathes Non-NC	24.32	55.81	-4.17	-13.59	-21.70	-19.18
Milling Machines	28.57	-2.23	-6.90	-61.07	-37.66	-62.75
Machining Centers	50.00	108.69	-20.59	-22.49	-54.55	-48.85
Station Type Machines	42.86	140.70	-64.29	110.01	-55.26	75.56
Other Metal Cutting	24.66	-0.45	-10.90	-5.27	-19.97	-3.28
Punching & Shearing Machines	-26.85	20.89	-34.71	-44.47	-17.98	-30.06
Bending & Forming Machines	-12.07	63.51	-18.40	100.58	-16.79	19.59
Presses	-67.24	-22.70	-26.15	-15.61	0.00	-28.82
Forging Machines	72.73	87.40	18.75	125.86	-28.57	8.21
Other Metal Forming	-19.91	2.17	-29.92	39.35	-21.36	0.59
TOTAL	-3.06	21.77	10.01	7.58	25.60	-10.90

1991 U.S. IMPORTS

BY PRODUCT GROUPS

PRODUCT TYPES	JANUARY 1991		FEBRUARY 1991		FEB '91 Y-T-D TOTALS	
	Units	Value	Units	Value	Units	Value
Used & Rebuilt & Under \$2,500	71,667	13,094,991	94,612	15,968,463	166,279	29,063,454
Boring Machines	75	3,212,626	65	3,295,233	140	6,507,859
Drilling Machines	136	5,284,960	72	2,124,951	208	7,409,911
Gear Cutting Machines	34	7,247,022	30	2,608,872	64	9,855,894
Grinding Machines	662	23,141,603	464	17,045,322	1,126	40,186,925
Horizontal Lathes NC	158	17,509,455	251	25,854,656	409	43,364,111
Vertical Lathes NC	9	1,367,349	15	2,253,656	24	3,621,005
Lathes Non-NC	722	8,815,703	340	4,755,176	1,062	13,570,879
Milling Machines	449	12,771,541	257	2,795,380	706	15,566,921
Machining Centers	293	33,595,255	212	22,089,069	505	55,684,324
Station Type Machines	14	4,189,738	4	1,830,253	18	6,019,991
Other Metal Cutting	448	11,368,644	217	12,635,073	665	24,003,717
Punching & Shearing Machines	67	5,697,766	59	1,638,364	126	7,336,130
Bending & Forming Machines	189	6,557,096	183	8,695,550	372	15,252,646
Presses	72	16,236,188	317	9,033,944	389	25,270,132
Forging Machines	59	5,028,586	47	2,528,010	106	7,556,596
Other Metal Forming	286	13,786,011	230	15,783,509	516	29,569,520
TOTAL	75,340	188,904,534	97,375	150,935,481	172,715	339,840,015

PRODUCT TYPES	FEBRUARY 1990		FEB '90 Y-T-D TOTALS	
	Units	Value	Units	Value
Used & Rebuilt & Under \$2,500	66,011	10,754,274	146,176	25,855,622
Boring Machines	57	2,665,242	97	5,176,716
Drilling Machines	66	1,331,591	253	7,308,109
Gear Cutting Machines	39	3,472,430	76	8,858,644
Grinding Machines	631	18,196,164	1,353	46,606,313
Horizontal Lathes NC	275	24,455,772	617	58,766,569
Vertical Lathes NC	9	1,890,507	32	4,716,987
Lathes Non-NC	474	8,086,596	1,083	17,777,925
Milling Machines	369	5,328,255	819	14,805,692
Machining Centers	262	28,896,262	630	73,391,363
Station Type Machines	9	2,400,678	25	6,828,682
Other Metal Cutting	390	15,984,088	933	30,010,097
Punching & Shearing Machines	122	5,391,216	232	11,093,007
Bending & Forming Machines	152	5,080,016	358	12,365,995
Presses	368	3,381,548	707	10,473,982
Forging Machines	121	5,829,041	203	14,361,756
Other Metal Forming	259	10,882,669	548	21,746,988
TOTAL	69,614	154,026,349	154,142	370,144,447

PRODUCT TYPES	% CHANGE JAN '91 - FEB '91		% CHANGE FEB '90 - FEB '91		% CHANGE YTD '90 - YTD '91	
	Units	Value	Units	Value	Units	Value
Used & Rebuilt & Under \$2,500	32.02	21.94	43.33	48.48	13.75	12.41
Boring Machines	-13.33	2.57	14.04	23.64	44.33	25.71
Drilling Machines	-47.06	-59.79	9.09	59.58	-17.79	1.39
Gear Cutting Machines	-11.76	-64.00	-23.08	-24.87	-15.79	11.26
Grinding Machines	-29.91	-26.34	-26.47	-6.32	-16.78	-13.77
Horizontal Lathes NC	58.86	47.66	-8.73	5.72	-33.71	-26.21
Vertical Lathes NC	66.67	64.82	66.67	19.21	-25.00	-23.23
Lathes Non-NC	-52.91	-46.06	-28.27	-41.20	-1.94	-23.66
Milling Machines	-42.76	-78.11	-30.35	-47.54	-13.80	5.14
Machining Centers	-27.65	-34.25	-19.08	-23.56	-19.84	-24.13
Station Type Machines	-71.43	-56.32	-55.56	-23.76	-28.00	-11.84
Other Metal Cutting	-51.56	11.14	-44.36	-20.95	-28.72	-20.01
Punching & Shearing Machines	-11.94	-71.25	-51.64	-69.61	-45.69	-33.87
Bending & Forming Machines	-3.17	32.61	20.39	71.17	3.91	23.34
Presses	340.28	-44.36	-13.86	167.15	-44.98	141.27
Forging Machines	-20.34	-49.73	-61.16	-56.63	-47.78	-47.38
Other Metal Forming	-19.58	14.49	-11.20	45.03	-5.84	35.97
TOTAL	29.25	-20.10	39.88	-2.01	12.05	-8.19

U.S. EXPORTS
Metal Cutting Machine Tools - February 91

RELEASED: May 1, 1991

	UNITS	TOTAL YTD \$000	UNITS	TOTAL MO. \$000
8456300000 Electro-discharge machines	20	1427	12	928
8457100015 Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	15	2175	10	1404
100025 Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	2	220	2	220
100035 Horizontal machining centers, ATC	6	2485	4	1805
100045 Machining centers, n.e.c.	22	2071	11	1270
200010 Unit construction mach. (single station transfer), NC	2	474	0	0
200090 Unit construction mach. (single station transfer), non-NC	3	865	2	280
300010 Multi-station transfer machines, NC	5	9799	2	4131
300090 Multi-station transfer machines, non-NC	6	11869	6	11869
8458110010 Horizontal lathes, multiple spindle, NC	5	1175	0	0
110030 Horiz. lathes, power rating under 18.65 kW (25 HP), NC	29	2086	24	1629
110050 Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	10	1648	6	983
110090 Horiz. lathes, power rating over 37.3 kW (50 HP), NC	4	524	3	432
190030 Horizontal engine or toolroom lathes, non-NC	7	63	4	40
190050 Automatic bar and/or chucking mach., single spindle, non-NC	0	0	0	0
190070 Automatic bar and/or chucking mach., mult. spindle, non-NC	9	386	9	386
190090 Horizontal lathes, n.e.c., non-NC	48	923	24	500
911060 Vertical turret lathes, multiple spindle, NC	0	0	0	0
911080 Vertical turret lathes, n.e.c., NC	1	261	0	100
915050 Vertical lathes, excl. VTL's, multiple spindle, NC	0	0	0	0
915070 Vertical lathes, excluding VTL's, n.e.c., NC	2	242	2	242
991050 Vertical turret lathes, non-NC	10	149	3	41
995090 Vertical lathes, n.e.c., excl. VTL's, non-NC	9	569	6	305
8459100000 Way-type unit head machines	1	38	0	0
210080 Other drilling machines, NC	37	3418	20	1763
290040 Drilling machines, multiple spindle, non-NC	0	0	0	0
290050 Drilling machines, radial, non-NC	2	16	0	0
290070 Drilling, upright, ex. sensitive, turret & deep hole, non-NC	6	334	4	326
290090 Drilling machines, n.e.c., non-NC	131	661	48	213
310010 Boring-milling mach., horiz. spind., table, excl. planer, NC	0	0	0	0
310040 Boring-milling mach., horiz. spindle, n.e.c., NC	3	2580	2	2450
310070 Boring-milling machines, n.e.c., NC	3	150	3	150
390040 Boring-milling mach., horiz. spindle, n.e.c., non-NC	1	33	0	0
390050 Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	3	133	0	0
400040 Boring machines, vertical, NC	0	0	0	0
400050 Boring machines, vertical, non-NC	2	58	2	58
400070 Boring machines, n.e.c., NC	0	0	0	0
400080 Boring machines, n.e.c., non-NC	4	309	1	33
510080 Milling machines, knee type, NC	1	480	0	0
590030 Milling machines, knee type, non-NC	19	892	9	287
610080 Milling machines, excluding knee type, n.e.c., NC	3	507	2	453
690050 Milling machines, profile, dup., or die sinking, non-NC	0	0	0	0
690070 Milling machines, bed type, non-NC	0	0	0	0
690090 Milling machines, n.e.c., non-NC	25	664	16	517
700020 Threading or tapping machines, n.e.c., NC	25	612	17	421
700080 Threading or tapping machines, n.e.c., non-NC	37	1297	19	426
8460110080 Flat surface grinding machines, NC	5	844	4	817
190010 Flat surface grinding mach., recip.-table type, non-NC	12	143	1	15
190050 Flat surface grinding machines, n.e.c., non-NC	4	444	1	64
210080 Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	20	7923	16	6799
290010 Grinding mach., external cylindrical, (incl. univ.), non-NC	3	972	1	119
290030 Grinding machines, internal cylindrical, non-NC	1	23	1	23
290050 Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	55	2164	17	483
310080 Sharpening machines (tool & cutter grinding), NC	3	78	0	0
390050 Sharpening machines (tool or cutter grinding), non-NC	242	1736	163	1145
400060 Honing or lapping machines, NC	0	0	0	0
400080 Honing or lapping machines, non-NC	31	492	6	140
900060 Grinding, honing, polishing, & lapping mach., n.e.c., NC	0	0	0	0
900080 Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	140	1373	62	651
8461100060 Planing machines, NC	0	0	0	0
100080 Planing machines, non-NC	54	905	29	697
200010 Shaping or slotting machines, NC	2	208	1	99
200090 Shaping or slotting machines, non-NC	10	139	1	35
300060 Broaching machines, NC	0	0	0	0
300080 Broaching machines, non-NC	5	237	4	52
401050 Gear hobbors	17	1418	12	631
401070 Gear shapers	0	0	0	0
401090 Gear cutting machines, n.e.c.	12	7683	4	1947
405060 Gear grinding or finishing machines	8	1719	7	863
500050 Sawing or cutting-off machines, NC	9	550	1	13
500090 Sawing or cutting-off machines, non-NC	218	3121	139	2077
9000000001 Metal cutting machine tools, n.e.c.	121	5629	55	2298
9800000001 Used or rebuilt machine tools	732	8506	334	3592
9900000001 Machine tools valued at less than \$3,025	6765	3836	3682	1923
			4814	58146

Please see notes on last page
of the metal forming section.

Cutting Total
Y-T-D Cutting Total
NC Y-T-D Cutting Total*

8987 101734
265 43662

U.S. EXPORTS
Metal Cutting Machine Tools - February 91

	Australia		Austria		Belgium		Brazil		Canada	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8456300000	0	0	0	0	0	0	0	0	2	124
8457100015	0	0	0	0	4	577	0	0	2	344
100025	0	0	0	0	0	0	0	0	2	220
100035	0	0	0	0	1	278	0	0	0	0
100045	0	0	0	0	0	0	0	0	1	68
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	1	98
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	0	0	1	84	0	0	2	146
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	1	167
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	5	214
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	1	214
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	3	120
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	14	66
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	1	25	0	0	1	33
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	1	22
610080	0	0	0	0	0	0	0	0	1	416
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	1	48
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	1	61	0	0	2	28
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	1	15	0	0
190050	0	0	0	0	0	0	0	0	1	64
210080	0	0	0	0	0	0	0	0	2	1838
290010	0	0	0	0	0	0	0	0	1	119
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	2	94
310080	0	0	0	0	0	0	0	0	0	0
390050	1	8	0	0	0	0	22	196	16	115
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	4	70
900060	0	0	0	0	0	0	0	0	0	0
900080	1	3	1	16	0	0	2	13	29	297
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	1	35
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	4	52
401050	0	0	0	0	8	450	0	0	1	30
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	1	13
500090	1	9	0	0	0	0	0	0	17	176
9000000001	0	0	0	0	0	0	8	720	16	90
9800000001	1	35	0	0	0	0	6	209	57	424
9900000001	58	53	1	3	354	181	0	0	309	263
Month Tot	62	108	2	19	370	1656	39	1152	501	6008
Y-T-D Tot	151	1106	11	29	396	2632	59	1499	902	10088
NC YTD Tot*	1	506	0	0	13	1769	8	760	28	5258

Please see notes on last page of the metal forming section.

Page 2 of 6

U.S. EXPORTS
Metal Cutting Machine Tools - February 91

	China		France		Germany **		India		Indonesia	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8456300000	1	185	0	0	8	584	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	2	280	0	0	0	0
300010	0	0	0	0	2	4131	0	0	0	0
300090	1	1038	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	1	123	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	20	1763	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	1	109	0	0	0	0
290090	0	0	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	1	200	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	2	760	1	31
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	1	404	2	634	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	1	23	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	7	44	17	106	73	476	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	2	16	2	23	4	24	0	0	0	0
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	2	118	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	2	657	0	0	0	0
405060	0	0	0	0	1	789	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	13	235	2	27	8	141	0	0	0	0
9000000001	0	0	0	0	12	1064	0	0	0	0
9800000001	1	4	3	15	3	26	2	67	0	0
9900000001	0	0	58	38	602	368	18	13	1	3
Month Tot	20	2005	74	781	685	10185	96	1515	2	34
Y-T-D Tot	47	3361	228	3917	854	19013	180	3313	3	49
NC YTD Tot*	9	1144	12	2048	47	13732	2	760	1	31

Please see notes on last page of the metal forming section.

Page 3 of 6

U.S. EXPORTS
Metal Cutting Machine Tools - February 91

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	0	0	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	1	200	0	0	0	0	0	0
100045	0	0	0	0	0	0	0	0	5	202
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	8	426	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	2	264
190030	0	0	0	0	0	0	0	0	3	37
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	4	153	0	0	0	0
190090	0	0	0	0	3	25	0	0	14	245
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	100
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	1	28
991050	0	0	0	0	0	0	0	0	3	41
995090	0	0	0	0	0	0	0	0	3	185
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	16	70
310010	0	0	0	0	0	0	0	0	0	0
310040	2	2450	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	33
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	1	50
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	3	18
700020	0	0	0	0	0	0	0	0	1	13
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	1	26
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	3	704	4	1734	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	9	328	0	0	6	61
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	17	114	3	15	1	4	1	42
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	1	51	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	2	72	1	10	0	0	3	38
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	4	71
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	1	33
401070	0	0	0	0	0	0	0	0	0	0
401090	1	672	1	618	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	0	0	25	375	16	281	0	0	9	89
9000000001	0	0	0	0	0	0	0	0	3	27
9800000001	14	85	11	950	14	46	0	0	108	436
9900000001	24	15	524	96	158	117	0	0	497	153
Month Tot	41	3223	593	3607	212	2708	1	4	686	2262
Y-T-D Tot	288	5441	1156	7837	739	5180	4	43	1271	6118
NC YTD Tot*	5	2906	42	3093	4	1734	0	0	21	1764

Please see notes on last page of the metal forming section.

Page 4 of 6

U.S. EXPORTS
Metal Cutting Machine Tools - February 91

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8456300000	0	0	0	0	0	0	0	0	1	34
8457100015	0	0	2	183	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	1	464	0	0	0	0	0	0	0	0
100045	1	310	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	1	63	0	0	0	0	2	172	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	3	217	0	0	0	0	0	0	0	0
290090	14	62	0	0	0	0	0	0	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	5	165	0	0	1	24	0	0
610080	0	0	0	0	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	2	35	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	3	1129	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	1	5	0	0	0	0	0	0
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	2	17	1	8	0	0	1	6	2	21
8461100060	0	0	0	0	0	0	0	0	0	0
100080	2	7	0	0	0	0	0	0	2	13
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	1	23	5	51
500050	0	0	0	0	0	0	0	0	0	0
500090	2	29	1	24	2	45	0	0	1	17
9000000001	0	0	4	235	0	0	1	13	1	13
9800000001	0	0	0	0	1	6	48	122	0	0
9900000001	31	17	88	49	14	11	34	17	302	51
Month Tot	57	1186	102	670	17	61	93	1540	314	200
Y-T-D Tot	105	1823	124	1035	41	248	312	1671	521	703
NC YTD Tot*	4	889	2	183	1	27	6	1330	2	56

Please see notes on last page of the metal forming section.

Page 5 of 6

U.S. EXPORTS
Metal Cutting Machine Tools - February 91

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8456300000	0	0	0	0	0	0	0	0	0	0
8457100015	0	0	2	300	0	0	0	0	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	1	863
100045	0	0	1	78	0	0	0	0	3	613
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	3	10473	0	0	1	260
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	9	616	0	0	0	0	0	0
110050	0	0	4	833	0	0	2	150	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	0	0	0	0	1	4
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	5	233	0	0	0	0	0	0
190090	0	0	1	10	0	0	0	0	1	7
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	0	0
995090	0	0	0	0	0	0	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	0	0	4	15
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	3	150
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	1	25
610080	0	0	0	0	0	0	0	0	1	37
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	0	0	0	0	9	216
700020	0	0	0	0	0	0	0	0	16	408
700080	0	0	0	0	0	0	3	292	13	44
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
210080	0	0	1	357	0	0	0	0	0	0
290010	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	3	15	0	0	0	0	1	5
400060	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	1	19
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	2	18	0	0	3	21	4	47
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	1	7	0	0	0	0	20	600
200010	0	0	0	0	0	0	0	0	1	99
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401050	0	0	0	0	0	0	0	0	0	0
401070	0	0	0	0	0	0	0	0	0	0
401090	0	0	0	0	0	0	0	0	0	0
405060	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	0	0
500090	1	10	28	440	0	0	4	85	9	93
9000000001	1	64	4	34	0	0	3	18	2	22
9800000001	10	170	29	152	0	0	3	19	23	828
9900000001	7	4	63	44	0	0	65	83	474	345
Month Tot	19	248	153	3136	3	10473	83	667	589	4698
Y-T-D Tot	41	416	326	4428	8	11396	125	1416	1095	8972
NC YTD Tot*	2	50	20	2727	4	324	3	215	28	2355

Please see notes on last page of the metal forming section.

Page 6 of 6

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
February 91

RELEASED: May 1, 1991

Metal Forming Machine Tools

	TOTAL YTD		TOTAL MO.	
	UNITS	\$000	UNITS	\$000
8454300010 Die casting machines	82	1905	39	582
8462100030 Headers and upsetters, including cold headers	6	3140	4	1747
100050 Forging or die stamping machines, and hammers, n.e.c.	24	4752	15	3399
210080 Bending, folding, straight. or flat. mach., incl presses, NC	33	4929	24	3142
290030 Press brakes, non-NC	18	359	12	258
290040 Bending rolls, non-NC	9	535	6	479
290050 Bending, folding, straight., or flat., n.e.c., non-NC	158	5381	60	3073
310080 Shearing machines, NC	12	1199	7	770
390050 Shearing machines, non-NC	52	1971	22	1370
410080 Punching or notching mach., incl. comb. punch & shear, NC	21	2787	11	1440
490050 Punching or notching mach., incl. comb. punch & sh., non-NC	102	4013	39	1876
910060 Hydraulic presses, NC	4	120	0	0
910090 Hydraulic presses, non-NC	123	2779	28	811
990030 Presses, n.e.c., NC	17	1504	4	868
990040 Presses, mechanical, non-NC	39	3277	6	1009
990060 Presses, n.e.c., non-NC	206	5473	58	3046
8463100080 Draw benches for bars, tubes, profiles, wire or the like	46	2128	16	952
200080 Thread rolling machines	6	116	0	0
300080 Machines for working wire	114	4508	51	2125
900080 Metal forming machine tools, n.e.c.	168	5556	79	3524
9800000002 Used or rebuilt machine tools	507	8048	207	2873
9900000002 Machine tools valued at less than \$3,025	2660	2227	1091	996
Forming Total			1779	34341
Y-T-D Forming Total	4407	66706		
NC Y-T-D Forming Total	87	10538		
Cutting and Forming Totals:				
Monthly Total			6593	92487
Y-T-D Total	13394	168440		
NC Y-T-D Total*	352	54200		

Other Manufacturing Technology

	TOTAL YTD		TOTAL MO.	
	UNITS	\$000	UNITS	\$000
1000000000 Machine tool parts and accessories	0	110834	0	53757
2000000000 Parts for working rubber or plastics - heading 8477	0	45306	0	21503
2710003070 Quenching or cutting oils	0	885	0	437
8428900010 Industrial robots for lifting, handling, loading or unload	128	1006	46	446
8431390090 Parts industrial robots, handling and loading - heading 8428	0	14637	0	6345
8456100000 Laser, light or photon beam for working any material	111	5855	36	2432
200000 Ultrasonic process for working any material	11	244	4	57
8477106010 Injection molding mach., for rubber or oth. thermosetting	33	2127	16	963
106070 Injection molding machines, for thermoplastics	58	6485	28	1930
200005 Extruders; rubber or other thermosetting mat., single screw	17	1467	10	910
200015 Extruders; rubber or thermosetting, other incl. multi. screw	28	2846	6	988
200030 Extruders; thermoplastics, single screw	46	1362	15	406
200060 Extruders; thermoplastics, other incl. multi. screw	21	3579	7	160
300000 Blow molding machines	190	7187	115	2055
400000 Vacuum-molding and other thermoforming machines	111	933	60	460
510010 Machines for molding or retreading pneumatic tires	183	1341	145	648
510090 Machines for molding or otherwise forming inner tubes	117	2820	35	1632
590000 Machines for molding or otherwise forming n.e.c.	236	2139	107	1004
800000 Machines for working rubber or plastics n.e.c.	918	16005	613	9673
8479899040 Industrial robots, n.e.c.	794	8781	286	4130
908040 Industrial robot parts	0	4195	0	2068
8537100030 Numerical controls for controlling machine tools	261	3847	128	1921
9024100000 Machines and appliances for testing metals	0	9726	0	5307
9031100000 Machines for balancing mechanical parts	0	4450	0	1203
300000 Profile projectors	0	592	0	399
9032810040 Industrial process control instr., hydraulic or pneumatic	157173	7145	89046	3417

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "NC Y-T-D Total" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

n.e.c. - Not elsewhere classified.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
February 91

Metal Forming										
	Australia		Austria		Belgium		Brazil		Canada	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8454300010	0	0	0	0	0	0	1	3	1	87
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	1	44	0	0	0	0	1	583
210080	0	0	0	0	0	0	0	0	5	858
290030	0	0	0	0	0	0	0	0	5	77
290040	0	0	0	0	0	0	0	0	1	23
290050	2	62	0	0	0	0	0	0	13	290
310080	0	0	0	0	0	0	0	0	1	142
390050	0	0	0	0	0	0	0	0	4	47
410080	0	0	0	0	0	0	1	77	1	170
490050	0	0	0	0	0	0	0	0	1	9
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	0	0
990030	0	0	0	0	0	0	0	0	1	5
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	4	694
200080	0	0	0	0	0	0	0	0	0	0
300080	1	4	0	0	0	0	0	0	3	109
900080	4	101	1	29	0	0	1	18	4	52
9800000002	0	0	1	10	0	0	0	0	27	319
9900000002	14	16	0	0	44	46	0	0	102	122
Month Tot	21	183	3	84	44	46	3	97	174	3590
Y-T-D Tot	48	347	3	84	94	125	54	1005	451	8677
NC YTD Tot	0	0	0	0	0	0	2	110	12	1639
C&F Month	83	291	5	102	414	1702	42	1249	675	9598
C&F Y-T-D	199	1453	14	112	490	2757	113	2504	1353	18765
C&F NC YTD*	1	506	0	0	13	1769	10	870	40	6898

Other Manufacturing Technology

1000000000	0	740	0	129	0	638	0	1027	0	9857
2000000000	0	180	0	35	0	202	0	277	0	6395
2710003070	0	7	0	0	0	8	0	0	0	92
8428900010	0	0	0	0	1	8	0	0	1	11
8431390090	0	401	0	0	0	30	0	61	0	936
8456100000	0	0	0	0	0	0	0	0	3	83
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	2	89
106070	0	0	0	0	0	0	0	0	4	986
200005	0	0	0	0	0	0	0	0	7	772
200015	0	0	0	0	0	0	0	0	6	988
200030	0	0	0	0	0	0	0	0	0	0
200060	1	19	0	0	0	0	0	0	0	0
300000	0	0	0	0	76	210	14	263	0	0
400000	0	0	0	0	0	0	0	0	3	55
510010	0	0	0	0	13	55	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	0	0	1	21	3	46
800000	0	0	0	0	0	0	28	435	165	3351
8479899040	1	22	0	0	0	0	0	0	116	695
908040	0	0	0	0	0	0	0	0	0	922
8537100030	0	0	0	0	0	0	0	0	6	53
9024100000	0	77	0	19	0	0	0	35	0	536
9031100000	0	79	0	0	0	0	0	0	0	518
300000	0	35	0	0	0	0	0	0	0	4
9032810040	63	7	486	24	439	26	84	27	2139	291

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
February 91

Metal Forming

	China		France		Germany **		India		Indonesia	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8454300010	0	0	1	5	0	0	0	0	0	0
8462100030	0	0	0	0	1	402	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	1	300	0	0	0	0
290050	0	0	0	0	3	52	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	1	200	0	0	0	0	0	0
410080	0	0	0	0	0	0	1	140	0	0
490050	5	494	0	0	0	0	1	8	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	1	12	0	0	0	0
990030	1	362	0	0	1	322	0	0	0	0
990040	1	500	0	0	0	0	0	0	0	0
990060	0	0	0	0	5	1268	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	7	132	12	163	0	0	0	0
900080	1	691	0	0	6	107	2	61	0	0
9800000002	0	0	1	40	4	58	0	0	0	0
9900000002	0	0	39	28	101	69	0	0	0	0
Month Tot	8	2047	49	405	135	2754	4	209	0	0
Y-T-D Tot	17	3772	158	1189	418	8961	19	492	30	359
NC YTD Tot	3	948	0	0	15	1475	1	140	0	0
C&F Month	28	4052	123	1186	820	12939	100	1725	2	34
C&F Y-T-D	64	7132	386	5106	1272	27973	199	3805	33	407
C&F NC YTD*	12	2093	12	2048	63	15208	3	900	1	31

Other Manufacturing Technology

1000000000	0	354	0	1619	0	4812	0	349	0	873
2000000000	0	119	0	292	0	1662	0	130	0	32
2710003070	0	0	0	40	0	0	0	0	0	40
8428900010	0	0	30	297	8	11	0	0	0	0
8431390090	0	0	0	46	0	193	0	4	0	66
8456100000	0	0	0	0	0	0	1	15	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	0	0
106070	14	350	1	45	0	0	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	2	86	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
400000	0	0	0	0	27	20	0	0	0	0
510010	0	0	0	0	0	0	7	28	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	2	27	9	124	23	21	0	0
800000	43	3101	24	381	76	100	0	0	0	0
8479899040	14	87	5	1734	7	176	0	0	0	0
908040	0	0	0	119	0	235	0	0	0	0
8537100030	0	0	22	328	21	306	0	0	0	0
9024100000	0	575	0	67	0	1004	0	53	0	0
9031100000	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	38	0	92	0	0	0	0
9032810040	10	7	1627	95	8333	556	841	55	2850	142

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
February 91

Metal Forming

	Italy		Japan		Korea		Malaysia		Mexico	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8454300010	0	0	0	0	0	0	16	173	11	228
8462100030	0	0	3	1344	0	0	0	0	0	0
100050	0	0	1	2010	2	103	0	0	1	74
210080	0	0	1	79	0	0	0	0	2	93
290030	0	0	1	47	0	0	0	0	5	78
290040	0	0	0	0	0	0	1	20	1	36
290050	0	0	3	73	0	0	1	12	15	547
310080	0	0	3	187	0	0	0	0	2	181
390050	0	0	0	0	0	0	0	0	11	344
410080	0	0	0	0	0	0	0	0	1	48
490050	7	91	6	81	1	11	0	0	1	23
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	0	0	18	677
990030	0	0	1	179	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	3	110
990060	0	0	29	658	0	0	1	245	16	344
8463100080	0	0	8	189	0	0	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	0	0	5	165	2	16	0	0	3	32
900080	10	256	12	428	2	86	0	0	5	73
9800000002	8	43	1	318	1	22	0	0	84	621
9900000002	16	15	115	55	6	5	0	0	285	288
Month Tot	41	404	189	5814	14	244	19	450	464	3796
Y-T-D Tot	87	1620	288	8560	151	1910	36	633	1014	7852
NC YTD Tot	0	0	6	478	7	866	0	0	11	1129
C&F Month	82	3626	782	9421	226	2953	20	454	1150	6059
C&F Y-T-D	375	7061	1444	16397	890	7089	40	676	2285	13971
C&F NC YTD*	5	2906	48	3570	11	2600	0	0	32	2893

Other Manufacturing Technology

1000000000	0	1526	0	6074	0	2144	0	344	0	3327
2000000000	0	381	0	779	0	2185	0	169	0	1974
2710003070	0	0	0	32	0	39	0	0	0	41
8428900010	0	0	2	48	0	0	0	0	0	0
8431390090	0	3	0	158	0	48	0	0	0	263
8456100000	2	658	12	523	0	0	0	0	1	274
200000	2	28	0	0	0	0	0	0	0	0
8477106010	0	0	0	0	0	0	0	0	12	706
106070	0	0	0	0	0	0	0	0	5	286
200005	0	0	0	0	0	0	0	0	3	138
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	0	0	0	0	5	124
200060	0	0	0	0	0	0	0	0	1	16
300000	1	13	0	0	0	0	0	0	15	320
400000	0	0	1	3	23	210	0	0	3	23
510010	0	0	1	81	1	87	0	0	5	42
510090	0	0	5	777	0	0	0	0	24	717
590000	2	39	8	350	0	0	0	0	43	147
800000	0	0	0	0	5	24	2	39	117	1408
8479899040	72	567	8	117	0	0	2	29	1	278
908040	0	17	0	353	0	34	0	0	0	12
8537100030	5	77	2	31	2	32	1	15	2	41
9024100000	0	67	0	1214	0	167	0	0	0	132
9031100000	0	18	0	144	0	18	0	0	0	285
300000	0	14	0	14	0	29	0	0	0	0
9032810040	3252	169	2252	136	1744	107	1	6	478	116

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
February 91

Metal Forming

	Netherlands		Singapore		Spain		Switzerland		Taiwan	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8454300010	1	10	6	65	0	0	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	2	50
290030	0	0	1	56	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	1	9	0	0	0	0	0	0	0	0
310080	1	260	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
410080	4	445	1	110	0	0	0	0	0	0
490050	1	4	0	0	1	53	0	0	2	50
910060	0	0	0	0	0	0	0	0	0	0
910090	1	6	0	0	0	0	1	14	0	0
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	0	0	0	0	1	350
8463100080	0	0	0	0	1	14	0	0	0	0
200080	0	0	0	0	0	0	0	0	0	0
300080	1	19	0	0	1	71	1	5	0	0
900080	3	232	1	4	0	0	0	0	8	749
9800000002	1	278	6	209	0	0	0	0	0	0
9900000002	23	20	13	14	5	4	12	10	0	0
Month Tot	37	1283	28	459	8	141	14	28	13	1199
Y-T-D Tot	64	1452	99	847	13	160	82	393	21	1206
NC YTD Tot	6	771	2	154	0	0	0	0	2	50
C&F Month	94	2469	130	1129	25	202	107	1568	327	1399
C&F Y-T-D	169	3275	223	1882	54	408	394	2065	542	1909
C&F NC YTD*	10	1660	4	337	1	27	6	1330	4	106

Other Manufacturing Technology

1000000000	0	1413	0	1072	0	476	0	603	0	774
2000000000	0	1532	0	207	0	96	0	94	0	127
2710003070	0	0	0	50	0	0	0	0	0	52
8428900010	0	0	0	0	0	0	0	0	0	0
8431390090	0	87	0	13	0	0	0	12	0	6
8456100000	0	0	1	12	0	0	1	47	0	0
200000	0	0	0	0	0	0	0	0	0	0
8477106010	0	0	1	104	0	0	0	0	0	0
106070	0	0	0	0	0	0	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	0	0	0	0	0	0	0	0
200060	0	0	0	0	0	0	0	0	0	0
300000	0	0	0	0	0	0	0	0	0	0
400000	0	0	1	45	0	0	0	0	0	0
510010	2	37	0	0	0	0	0	0	0	0
510090	0	0	0	0	0	0	0	0	0	0
590000	0	0	0	0	1	16	3	53	3	27
800000	103	53	1	33	0	0	1	20	0	0
8479899040	0	0	0	0	0	0	0	0	0	0
908040	0	0	0	16	0	4	0	265	0	0
8537100030	1	14	6	108	1	14	0	0	0	0
9024100000	0	181	0	66	0	77	0	32	0	147
9031100000	0	3	0	34	0	0	0	0	0	0
300000	0	0	0	15	0	0	0	20	0	63
9032810040	8422	442	1315	93	3864	199	110	8	553	52

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
February 91

Metal Forming

	Thailand		U.K.		USSR		Venezuela		All Other	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8454300010	0	0	1	6	0	0	1	5	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	1	52	1	48	0	0	0	0	7	486
210080	0	0	3	114	0	0	0	0	11	1948
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	1	72	0	0	0	0	1	28
290050	0	0	4	138	0	0	0	0	18	1890
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	1	725	0	0	1	9	4	45
410080	1	176	0	0	0	0	0	0	1	274
490050	0	0	3	37	0	0	0	0	10	1016
910060	0	0	0	0	0	0	0	0	0	0
910090	0	0	0	0	0	0	1	35	6	66
990030	0	0	0	0	0	0	0	0	0	0
990040	0	0	0	0	0	0	0	0	2	399
990060	0	0	4	112	0	0	1	34	1	35
8463100080	0	0	1	40	0	0	0	0	2	14
200080	0	0	0	0	0	0	0	0	0	0
300080	1	517	3	58	0	0	0	0	11	832
900080	0	0	16	557	0	0	0	0	3	80
9800000002	13	14	1	19	0	0	0	0	59	923
9900000002	4	3	119	92	0	0	0	0	193	208
Month Tot	20	762	158	2017	0	0	4	82	329	8247
Y-T-D Tot	47	917	289	4166	0	0	14	172	910	11806
NC YTD Tot	1	176	5	323	0	0	0	0	13	2280
C&F Month	39	1010	311	5153	3	10473	87	749	918	12945
C&F Y-T-D	88	1334	615	8594	8	11396	139	1588	2005	20778
C&F NC YTD*	3	226	25	3049	4	324	3	215	41	4635

Other Manufacturing Technology

1000000000	0	1534	0	4826	0	671	0	858	0	7715
2000000000	0	88	0	1097	0	0	0	658	0	2792
2710003070	0	21	0	0	0	0	0	0	0	17
8428900010	0	0	4	70	0	0	0	0	0	0
8431390090	0	29	0	433	0	0	0	174	0	3381
8456100000	0	0	2	68	0	0	10	695	3	57
200000	0	0	0	0	0	0	0	0	2	29
8477106010	0	0	1	65	0	0	0	0	0	0
106070	0	0	2	185	0	0	1	53	1	26
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	0	0	0	0	0	0
200030	0	0	3	75	0	0	0	0	5	121
200060	0	0	0	0	0	0	0	0	5	126
300000	0	0	3	1117	0	0	0	0	6	132
400000	0	0	0	0	0	0	0	0	2	104
510010	0	0	7	181	0	0	0	0	109	136
510090	0	0	1	13	0	0	0	0	5	125
590000	0	0	7	104	0	0	0	0	2	28
800000	4	9	17	231	0	0	15	235	12	253
8479899040	0	0	51	326	0	0	1	6	8	93
908040	0	0	0	62	0	0	0	4	0	27
8537100030	0	0	46	697	0	0	0	0	13	206
9024100000	0	4	0	304	0	0	0	121	0	431
9031100000	0	0	0	0	0	0	0	27	0	76
300000	0	0	0	29	0	0	0	0	0	45
9032810040	39361	137	5083	354	0	0	255	20	5484	349

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466940000.

* "C&F NC YTD" does not include code 8456300000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
February 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	\$000	UNITS	\$000	UNITS	\$000
EUROPE						
Bulgaria	0	0	0	0	0	0
Czechoslovakia	0	0	1	165	1	165
Denmark	2	4	15	32	17	36
Finland	3	12	2	154	5	166
Greece	1	11	0	0	1	11
Hungary	0	0	0	0	0	0
Iceland	15	10	0	0	15	10
Ireland	19	34	6	8	25	42
Luxembourg	0	0	1	14	1	14
Norway	41	524	12	10	53	534
Poland	3	8	0	0	3	8
Portugal	11	5	0	0	11	5
Romania	0	0	0	0	0	0
Sweden	61	914	17	65	78	979
Turkey	1	62	0	0	1	62
Yugoslavia	0	0	1	274	1	274
Oth Europe	1	6	1	9	2	15
TOTAL	1653	33849	545	7893	2198	41742
NORTH AND CENTRAL AMERICA						
Bahamas	1	12	0	0	1	12
Barbados	0	0	9	17	9	17
Belize	0	0	0	0	0	0
Bermuda	0	0	0	0	0	0
Costa Rica	20	12	9	8	29	20
Dominican Rep	3	9	2	3	5	12
El Salvador	0	0	1	35	1	35
Guatemala	5	3	6	140	11	143
Haiti	0	0	0	0	0	0
Honduras	8	10	4	108	12	118
Jamaica	0	0	1	6	1	6
Panama	0	0	4	199	4	199
Trinidad	0	0	0	0	0	0
Oth N & C Am.	2	11	1	4	3	15
TOTAL	1226	8327	675	7905	1901	16232
SOUTH AMERICA						
Argentina	88	67	0	0	88	67
Bolivia	0	0	1	3	1	3
Chile	5	114	36	774	41	888
Colombia	14	60	14	52	28	112
Ecuador	0	0	16	23	16	23
Paraguay	0	0	0	0	0	0
Peru	5	3	15	73	20	77
Uruguay	25	15	0	0	25	15
Oth South Am.	0	0	0	0	0	0
TOTAL	259	2078	89	1105	348	3183
OCEANIA						
New Zealand	5	8	0	0	5	8
Oth Oceania	0	0	0	0	0	0
TOTAL	67	116	21	183	88	299

U.S. EXPORTS
Metal Cutting and Metal Forming Machine Tool Totals
February 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	\$000	UNITS	\$000	UNITS	\$000
ASIA						
Bangladesh	0	0	0	0	0	0
Hong Kong	164	1030	17	421	181	1451
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	8	41	3	148	11	189
Jordan	0	0	0	0	0	0
Kuwait	0	0	0	0	0	0
Laos	0	0	0	0	0	0
Lebanon	0	0	0	0	0	0
Macao	0	0	0	0	0	0
Oman	0	0	22	11	22	11
Pakistan	1	25	13	11	14	36
Philippines	7	80	24	2110	31	2190
Qatar	0	0	0	0	0	0
Saudi Arabia	9	216	17	1669	26	1885
Sri Lanka	0	0	0	0	0	0
Syria	0	0	1	186	1	186
United Arab Emr	4	122	0	0	4	122
Vietnam	0	0	0	0	0	0
Oth Asia	0	0	6	81	6	81
TOTAL	1552	12506	398	15821	1950	28327
AFRICA						
Algeria	0	0	0	0	0	0
Botswana	0	0	0	0	0	0
Egypt	1	99	8	61	9	160
Ethiopia	0	0	0	0	0	0
Gabon	0	0	0	0	0	0
Ghana	1	33	4	842	5	875
Guinea	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Malawi	0	0	0	0	0	0
Mauritius	0	0	7	486	7	486
Morocco	0	0	0	0	0	0
Niger	0	0	0	0	0	0
Nigeria	3	613	8	7	11	619
South Africa	36	487	24	38	60	525
Sudan	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Tunisia	0	0	0	0	0	0
Zaire	0	0	0	0	0	0
Zambia	0	0	0	0	0	0
Zimbabwe	10	35	0	0	10	35
Oth Africa	6	4	0	0	6	4
TOTAL	57	1270	51	1434	108	2704

Note: Region totals include top countries detailed by product as well as countries listed above.

** West and East Germany are combined.

Cutting Section Notes:

Total for Metal Cutting and Metal Forming appears in Metal Forming Section.

Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the total of codes: 8461900040 and 8461900080.

n.e.c. - Not elsewhere classified.

* "NC Y-T-D Cutting Total" does not include code 8456300000.

RELEASED: May 1, 1991

U.S. IMPORTS - Metal Cutting Machine Tools - February 91

	UNITS	TOTAL YTD \$000	UNITS	TOTAL MO. \$000
8456301020 Traveling wire electro-discharge machines	112	7786	52	4979
301050 Electro-discharge machines, n.e.c., NC	38	4357	23	3166
301070 Electro-discharge machines, n.e.c., non-NC	123	865	12	324
8457100015 Vert. mach. ctrs., ATC, Y-axis travel not over 660mm (26")	322	26978	126	10363
100025 Vert. mach. ctrs., ATC, Y-axis travel over 660mm (26")	24	3759	4	772
100035 Horizontal machining centers, ATC	94	20013	34	7898
100045 Machining centers, n.e.c.	65	4934	48	3056
200010 Unit construction mach. (single station transfer), NC	9	640	1	221
200090 Unit construction mach. (single station transfer), non-NC	1	217	0	0
300010 Multi-station transfer machines, NC	2	1675	0	0
300090 Multi-station transfer machines, non-NC	5	3430	3	1610
8458110010 Horizontal lathes, multiple spindle, NC	40	6384	16	2450
110030 Horiz. lathes, power rating under 18.65 kW (25 HP), NC	286	23635	184	15411
110050 Horiz. lathes, power rating 18.65-37.3 kW (25-50 HP), NC	74	10326	48	6396
110090 Horiz. lathes, power rating over 37.3 kW (50 HP), NC	9	3019	3	1599
190030 Horizontal engine or toolroom lathes, non-NC	751	6575	239	2672
190050 Automatic bar and/or chucking mach., single spindle, non-NC	95	2738	19	129
190070 Automatic bar and/or chucking mach., mult. spindle, non-NC	4	129	1	43
190090 Horizontal lathes, n.e.c., non-NC	106	1881	36	469
911060 Vertical turret lathes, multiple spindle, NC	3	550	1	183
911080 Vertical turret lathes, n.e.c., NC	4	749	2	184
915050 Vertical lathes, excl. VTL's, multiple spindle, NC	7	459	7	459
915070 Vertical lathes, excluding VTL's, n.e.c., NC	10	1863	5	1428
991050 Vertical turret lathes, non-NC	34	361	21	281
995090 Vertical lathes, n.e.c., excl. VTL's, non-NC	72	1887	24	1161
8459100000 Way-type unit head machines	1	58	0	0
210080 Other drilling machines, NC	62	3521	37	1680
290040 Drilling machines, multiple spindle, non-NC	6	913	0	0
290050 Drilling machines, radial, non-NC	35	436	15	126
290070 Drilling, upright, ex. sensitive, turret & deep hole, non-NC	5	44	4	38
290090 Drilling machines, n.e.c., non-NC	100	2497	16	281
310010 Boring-milling mach., horiz. spindle, table, excl. planer, NC	2	707	1	288
310040 Boring-milling mach., horiz. spindle, n.e.c., NC	20	2875	13	1777
310070 Boring-milling machines, n.e.c., NC	7	153	2	113
390040 Boring-milling mach., horiz. spindle, n.e.c., non-NC	0	0	0	0
390050 Boring-milling mach., excl. horiz. spindle, n.e.c., non-NC	10	625	3	284
400040 Boring machines, vertical, NC	3	254	3	254
400050 Boring machines, vertical, non-NC	15	338	5	56
400070 Boring machines, n.e.c., NC	7	285	1	14
400080 Boring machines, n.e.c., non-NC	76	1271	37	509
510080 Milling machines, knee type, NC	150	1670	32	484
590030 Milling machines, knee type, non-NC	333	3314	188	1634
510080 Milling machines, excluding knee type, n.e.c., NC	95	8813	10	451
690050 Milling machines, profile, dup., or die sinking, non-NC	4	17	0	0
690070 Milling machines, bed type, non-NC	9	250	0	0
690090 Milling machines, n.e.c., non-NC	115	1503	27	227
700020 Threading or tapping machines, n.e.c., NC	33	2061	13	990
700080 Threading or tapping machines, n.e.c., non-NC	10	470	4	74
8460110080 Flat surface grinding machines, NC	13	741	1	3
190010 Flat surface grinding mach., recip.-table type, non-NC	97	1449	44	721
190050 Flat surface grinding machines, n.e.c., non-NC	220	2675	136	1311
210080 Grinding mach., of an accuracy at least 0.01mm, n.e.c., NC	96	14872	35	7406
290010 Grinding mach., external cylindrical, (incl. univ.), non-NC	76	1754	19	725
290030 Grinding machines, internal cylindrical, non-NC	48	896	27	637
290050 Grinding mach., of accuracy at least 0.01mm, n.e.c., non-NC	148	4554	57	2304
310080 Sharpening machines (tool & cutter grinding), NC	18	900	11	484
390050 Sharpening machines (tool or cutter grinding), non-NC	179	2041	38	405
400060 Honing or lapping machines, NC	8	1290	2	345
400080 Honing or lapping machines, non-NC	30	1726	3	546
900060 Grinding, honing, polishing, & lapping mach., n.e.c., NC	11	483	9	461
900080 Grinding, honing, polishing, & lapping mach., n.e.c., non-NC	182	6805	82	1697
8461100060 Planing machines, NC	0	0	0	0
100080 Planing machines, non-NC	1	6	1	6
200010 Shaping or slotting machines, NC	1	213	1	213
200090 Shaping or slotting machines, non-NC	5	100	4	77
300060 Broaching machines, NC	1	49	1	49
300080 Broaching machines, non-NC	4	435	0	0
401020 Gear cutting for bevel gears	0	0	0	0
401030 Gear hobs	29	4855	16	1280
401040 Gear shapers	16	1005	1	78
401060 Gear cutting machines, n.e.c.	15	2187	11	361
405050 Gear grinding or finishing for bevel gears	0	0	0	0
405070 Gear grinding or finishing machines, n.e.c.	4	1809	2	889
500050 Sawing or cutting-off machines, NC	40	896	14	759
500090 Sawing or cutting-off machines, non-NC	249	4022	83	1492
9000000001 Metal cutting machine tools n.e.c.	48	2744	9	505
9800000001 Used or rebuilt machine tools	565	8566	410	5662
9900000001 Machine tools valued at less than \$3,025	162360	14474	93144	7311
			95481	110261
	Cutting Total			
	Y-T-D Cutting Total	167852	248831	
	NC Y-T-D Cutting Total	1672	157320	

Please see notes on last page
of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - February 91										
	Belgium		U.S. IMPORTS - Metal Brazil		Canada		France		Germany **	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8456301020	0	0	0	0	0	0	0	0	0	0
301050	0	0	0	0	0	0	0	0	1	1883
301070	0	0	0	0	0	0	0	0	2	164
8457100015	0	0	0	0	0	0	1	73	0	0
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	0	0	0	0	2	925
100045	0	0	0	0	2	121	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	1	1140	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	1	283
110030	0	0	0	0	0	0	0	0	0	0
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	3	1599
190030	0	0	23	191	0	0	0	0	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	0	0	0	0	0	0	0	0
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	0	0	0	0	0	0	0	0
915050	0	0	0	0	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	1	981
991050	0	0	0	0	0	0	2	185	0	0
995090	0	0	0	0	0	0	0	0	6	66
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	0	0	0	0	1	1
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	0	0
290070	0	0	0	0	0	0	0	0	4	38
290090	0	0	0	0	0	0	0	0	1	5
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	6	1262
310070	0	0	0	0	0	0	0	0	2	113
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	0	0
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	1	14	0	0	0	0
400080	0	0	0	0	18	278	0	0	18	206
510080	0	0	0	0	0	0	0	0	0	0
590030	0	0	0	0	0	0	0	0	3	56
610080	0	0	0	0	0	0	0	0	1	239
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	0	0	1	4	0	0	0	0
700020	0	0	0	0	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	2	14
8460110080	0	0	0	0	1	3	0	0	0	0
190010	0	0	0	0	0	0	0	0	1	247
190050	0	0	0	0	0	0	3	97	4	127
210080	0	0	0	0	0	0	0	0	12	355
290010	0	0	0	0	1	10	0	0	7	97
290030	0	0	0	0	0	0	0	0	1	125
290050	0	0	0	0	10	46	0	0	7	241
310080	0	0	0	0	3	12	0	0	2	3
390050	1	25	0	0	8	28	1	15	2	21
400060	0	0	0	0	0	0	0	0	1	313
400080	0	0	0	0	0	0	0	0	0	0
900060	0	0	0	0	0	0	0	0	0	0
900080	0	0	0	0	2	23	5	26	7	498
8461100060	0	0	0	0	0	0	0	0	0	0
100080	1	6	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	2	39
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	16	1280
401040	0	0	0	0	0	0	0	0	1	78
401060	0	0	0	0	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	0	0	0	0	0	0	0	0
500050	0	0	0	0	0	0	0	0	2	681
500090	0	0	0	0	21	234	0	0	13	255
9000000001	0	0	0	0	2	34	0	0	1	101
9800000001	0	0	0	0	18	68	1	88	48	1626
9900000001	3	3	0	0	87	159	140	105	147	155
Month Tot	5	34	23	191	176	2173	153	589	328	14080
Y-T-D Tot	9	802	79	1167	293	3232	243	3139	795	39125
NC YTD Tot	0	0	4	391	16	276	4	363	110	21202

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - February 91

	Italy		Japan		Korea		Singapore		Spain	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8456301020	0	0	35	2399	0	0	0	0	0	0
301050	0	0	12	667	0	0	0	0	0	0
301070	0	0	4	110	0	0	0	0	0	0
8457100015	0	0	67	6725	0	0	4	294	0	0
100025	0	0	4	772	0	0	0	0	0	0
100035	0	0	29	5755	1	73	0	0	0	0
100045	0	0	31	2337	1	29	0	0	0	0
200010	0	0	0	0	1	221	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	0	0	0	0	0	0	0	0
8458110010	0	0	15	2166	0	0	0	0	0	0
110030	0	0	154	13795	6	368	0	0	0	0
110050	0	0	48	6396	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	0	0	0	0	20	194	27	330	0	0
190050	0	0	0	0	0	0	0	0	0	0
190070	0	0	0	0	0	0	0	0	0	0
190090	0	0	8	147	0	0	0	0	2	25
911060	0	0	1	183	0	0	0	0	0	0
911080	0	0	0	0	1	119	0	0	0	0
915050	0	0	4	284	0	0	0	0	0	0
915070	2	267	2	179	0	0	0	0	0	0
991050	0	0	0	0	0	0	0	0	14	76
995090	0	0	1	161	16	929	0	0	0	0
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	34	1587	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	0	0	0	0	1	48
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	1	6	1	128	0	0	11	94
310010	0	0	1	288	0	0	0	0	0	0
310040	0	0	1	342	0	0	0	0	0	0
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	3	284	0	0	0	0	0	0
400040	0	0	2	245	0	0	0	0	0	0
400050	5	56	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	1	26	0	0	0	0	0	0	0	0
510080	0	0	1	225	0	0	0	0	20	134
590030	0	0	0	0	0	0	0	0	133	1259
610080	0	0	2	140	0	0	0	0	0	0
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	1	18	0	0	0	0	0	0	2	24
700020	0	0	12	946	0	0	0	0	0	0
700080	0	0	0	0	0	0	0	0	1	54
8460110080	0	0	0	0	0	0	0	0	0	0
190010	9	237	2	15	0	0	16	108	0	0
190050	0	0	0	0	0	0	0	0	1	62
210080	1	406	17	5230	0	0	0	0	0	0
290010	0	0	7	355	0	0	0	0	0	0
290030	0	0	1	76	0	0	0	0	0	0
290050	0	0	29	1430	0	0	0	0	1	398
310080	0	0	1	141	0	0	0	0	0	0
390050	1	14	5	116	0	0	0	0	0	0
400060	0	0	1	32	0	0	0	0	0	0
400080	0	0	1	16	0	0	0	0	0	0
900060	1	277	4	139	0	0	0	0	0	0
900080	1	42	21	475	0	0	0	0	4	128
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	1	213	0	0	0	0	0	0
200090	0	0	2	38	0	0	0	0	0	0
300060	0	0	1	49	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	5	360	0	0	0	0	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	1	338	0	0	0	0	0	0
500050	2	14	0	0	0	0	0	0	0	0
500090	0	0	23	852	0	0	0	0	0	0
9000000001	0	0	2	170	0	0	0	0	0	0
9800000001	0	0	288	1411	0	0	0	0	1	12
9900000001	1559	388	3724	574	1	2	24	4	0	0
Month Tot	1583	1745	4608	58173	48	2063	71	736	191	2314
Y-T-D Tot	4727	4510	8122	121664	1704	3361	250	1850	515	4770
NC YTD Tot	11	1720	935	103780	25	1712	12	755	134	900

Please see notes on last page of the metal forming section.

U.S. IMPORTS - Metal Cutting Machine Tools - February 91										
	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8456301020	0	0	17	2581	0	0	0	0	0	0
301050	0	0	5	557	5	58	0	0	0	0
301070	0	0	0	0	6	51	0	0	0	0
8457100015	0	0	0	0	13	710	37	2415	4	146
100025	0	0	0	0	0	0	0	0	0	0
100035	0	0	0	0	1	105	1	1041	0	0
100045	0	0	0	0	0	0	1	122	13	447
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300010	0	0	0	0	0	0	0	0	0	0
300090	0	0	2	470	0	0	0	0	0	0
8458110010	0	0	0	0	0	0	0	0	0	0
110030	0	0	2	264	10	533	2	121	10	330
110050	0	0	0	0	0	0	0	0	0	0
110090	0	0	0	0	0	0	0	0	0	0
190030	3	30	0	0	39	302	31	546	96	1079
190050	0	0	0	0	19	129	0	0	0	0
190070	0	0	0	0	0	0	1	43	0	0
190090	0	0	1	68	0	0	6	142	19	87
911060	0	0	0	0	0	0	0	0	0	0
911080	0	0	1	65	0	0	0	0	0	0
915050	0	0	3	175	0	0	0	0	0	0
915070	0	0	0	0	0	0	0	0	0	0
991050	0	0	0	0	5	19	0	0	0	0
995090	0	0	0	0	0	0	0	0	1	5
8459100000	0	0	0	0	0	0	0	0	0	0
210080	0	0	0	0	1	12	0	0	1	79
290040	0	0	0	0	0	0	0	0	0	0
290050	0	0	0	0	13	73	0	0	1	4
290070	0	0	0	0	0	0	0	0	0	0
290090	0	0	0	0	0	0	2	49	0	0
310010	0	0	0	0	0	0	0	0	0	0
310040	0	0	0	0	0	0	0	0	6	172
310070	0	0	0	0	0	0	0	0	0	0
390040	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	0	0	0	0
400040	0	0	0	0	0	0	0	0	1	9
400050	0	0	0	0	0	0	0	0	0	0
400070	0	0	0	0	0	0	0	0	0	0
400080	0	0	0	0	0	0	0	0	0	0
510080	0	0	0	0	10	84	1	41	0	0
590030	0	0	0	0	30	191	1	39	21	88
610080	0	0	0	0	2	41	0	0	5	31
690050	0	0	0	0	0	0	0	0	0	0
690070	0	0	0	0	0	0	0	0	0	0
690090	0	0	1	73	21	102	0	0	1	6
700020	0	0	0	0	0	0	1	44	0	0
700080	0	0	0	0	0	0	1	6	0	0
8460110080	0	0	0	0	0	0	0	0	0	0
190010	0	0	0	0	16	114	0	0	0	0
190050	0	0	3	99	124	913	0	0	1	13
210080	1	275	3	1031	0	0	1	109	0	0
290010	0	0	4	263	0	0	0	0	0	0
290030	20	380	0	0	1	10	0	0	4	47
290050	0	0	2	15	2	15	2	16	4	144
310080	0	0	2	151	0	0	0	0	3	176
390050	0	0	4	34	1	7	13	119	2	27
400060	0	0	0	0	0	0	0	0	0	0
400080	1	519	0	0	0	0	1	11	0	0
900060	0	0	0	0	0	0	0	0	4	44
900080	0	0	0	0	16	208	6	47	20	249
8461100060	0	0	0	0	0	0	0	0	0	0
100080	0	0	0	0	0	0	0	0	0	0
200010	0	0	0	0	0	0	0	0	0	0
200090	0	0	0	0	0	0	0	0	0	0
300060	0	0	0	0	0	0	0	0	0	0
300080	0	0	0	0	0	0	0	0	0	0
401020	0	0	0	0	0	0	0	0	0	0
401030	0	0	0	0	0	0	0	0	0	0
401040	0	0	0	0	0	0	0	0	0	0
401060	0	0	0	0	0	0	6	1	0	0
405050	0	0	0	0	0	0	0	0	0	0
405070	0	0	1	550	0	0	0	0	0	0
500050	0	0	0	0	10	64	0	0	0	0
500090	0	0	2	9	11	82	10	38	3	22
9000000001	0	0	2	114	1	26	0	0	1	61
9800000001	3	72	3	402	0	0	27	1706	21	277
9900000001	76	128	11	5	78248	5202	38	34	9086	551
Month Tot	104	1403	69	6925	78605	9050	189	6691	9328	4093
Y-T-D Tot	730	4467	144	11621	135920	23721	338	12376	13983	13024
NC YTD Tot	3	1303	44	7810	205	7486	60	6237	109	3384

Please see notes on last page of the metal forming section.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
February 91

RELEASED: May 1, 1991

Metal Forming Machine Tools

	TOTAL YTD		TOTAL MO.	
	UNITS	\$000	UNITS	\$000
8454300010 Die casting machines	54	6662	32	5518
8462100030 Headers and upsetters, including cold headers	12	2417	4	382
100050 Forging or die stamping machines, and hammers, n.e.c.	94	5140	43	2146
210080 Bending, folding, straight. or flat. mach., incl presses, NC	85	7062	47	4065
290030 Press brakes, non-NC	45	1322	20	610
290040 Bending rolls, non-NC	19	736	7	436
290050 Bending, folding, straight., or flat., n.e.c., non-NC	223	6133	109	3584
310080 Shearing machines, NC	3	388	1	35
390050 Shearing machines, non-NC	44	1486	21	542
410080 Punching or notching mach., incl. comb. punch & shear, NC	31	4331	8	359
490050 Punching or notching mach., incl. comb. punch & sh., non-NC	48	1131	29	703
910060 Hydraulic presses, NC	4	4427	1	2343
910090 Hydraulic presses, non-NC	307	4675	285	3591
990030 Presses, n.e.c., NC	0	0	0	0
990035 Mechanical transfer presses, non-NC	1	10097	0	0
990045 Mechanical presses, n.e.c., non-NC	21	1124	7	839
990060 Presses, n.e.c., non-NC	56	4947	24	2261
8463100080 Draw benches for bars, tubes, profiles, wire or the like	56	4418	17	2145
200080 Thread rolling machines	8	527	4	167
300080 Machines for working wire	202	11472	94	5743
900080 Metal forming machine tools, n.e.c.	196	6491	83	2211
9800000002 Used or rebuilt machine tools	1711	5488	233	2697
9900000002 Machine tools valued at less than \$3,025	1643	536	825	299
Forming Total			1894	40675
Y-T-D Forming Total	4863	91009		
NC Y-T-D Forming Total	123	16208		
Cutting and Forming Totals:				
Monthly Total			97375	150935
Y-T-D Total	172715	339840		
NC Y-T-D Total	1795	173528		

Other Manufacturing Technology

	TOTAL YTD		TOTAL MO.	
	UNITS	\$000	UNITS	\$000
1000000000 Machine tool parts and accessories	0	88965	0	42189
2000000000 Parts for working rubber or plastics - heading 8477	0	54771	0	25745
2710003070 Quenching or cutting oils	0	77	0	38
8428900010 Industrial robots for lifting, handling, loading or unload	234	4404	107	1667
8431390080 Parts industrial robots, handling and loading - heading 8428	0	18277	0	6006
8456101010 Laser, light or photon beam for working metal, NC	20	4586	8	1650
101020 Laser, light or photon beam for working metal, non-NC	10	3415	5	1396
105000 Laser, light or photon beam for other materials	13	1828	10	776
201010 Ultrasonic processes for working metal, NC	0	0	0	0
201050 Ultrasonic processes for working metal, non-NC	6	39	0	0
205000 Ultrasonic processes for working other materials	24	142	0	0
8477103000 Injection molding mach., for manufacturing shoes	2	297	2	297
106010 Injection molding mach., for rubber or oth. thermosetting	142	18559	51	5011
106050 Injection molding mach., for thermoplastics	320	31382	152	16005
200005 Extruders; rubber or other thermosetting mat., single screw	3	854	1	7
200015 Extruders; rubber or thermosetting, other incl. multi. screw	50	6944	23	3882
200035 Extruders; thermoplastics, single screw, less than 6.4cm	8	209	3	83
200045 Extruders; thermoplastics, single screw, 6.4cm or greater	30	4003	8	931
200055 Extruders; thermoplastics, multi. screw, less than 6.4cm	3	420	0	0
200065 Extruders; thermoplastics, multi. screw, 6.4cm or larger	27	2406	5	304
300000 Blow molding machines	27	9159	8	3512
400000 Vacuum-molding and other thermoforming machines	3	1156	1	16
510010 Machines for molding or retreading pneumatic tires	104	4072	44	3158
510090 Machines for molding or otherwise forming inner tubes	22	1093	13	786
590000 Machines for molding or otherwise forming n.e.c.	94	6689	47	2211
800000 Machines for working rubber or plastics n.e.c.	339	33347	157	12497
8479899040 Industrial robots, n.e.c.	516	13214	286	7011
908040 Industrial robot parts	0	6269	0	3396
8537100030 Numerical controls for controlling machine tools	867	5245	495	3009
9024100000 Machines and appliances for testing metals	0	2090	0	1129
9031100000 Machines for balancing mechanical parts	0	470	0	441
300000 Profile projectors	0	1252	0	407
9032810020 Industrial process control instr., hydraulic	24155	584	14572	372
810060 Industrial process control instr., pneumatic	29990	840	12363	619

Note: Product code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.
Note: "0" in units column with corresponding value means that unit measure is not meaningful.
n.e.c. - Not elsewhere classified.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
February 91

Metal Forming

	Belgium		Brazil		Canada		France		Germany **	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8454300010	0	0	0	0	5	332	1	147	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	0	0	5	48	0	0	4	24
210080	0	0	0	0	5	913	0	0	2	434
290030	8	265	0	0	12	345	0	0	0	0
290040	0	0	0	0	6	386	0	0	0	0
290050	0	0	0	0	26	543	1	78	22	866
310080	0	0	0	0	0	0	1	35	0	0
390050	3	54	0	0	3	78	0	0	1	30
410080	0	0	0	0	1	2	1	9	6	348
490050	0	0	0	0	1	239	0	0	3	133
910060	0	0	0	0	0	0	0	0	1	2343
910090	0	0	0	0	2	168	0	0	55	44
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	0	0	0	0	0	0	0	0
990060	0	0	0	0	9	241	0	0	3	1453
8463100080	0	0	0	0	0	0	0	0	4	276
200080	0	0	0	0	0	0	0	0	0	0
300080	1	19	0	0	4	409	0	0	6	1665
900080	0	0	0	0	4	41	0	0	6	1092
9800000002	6	86	0	0	38	385	0	0	33	233
9900000002	0	0	0	0	10	9	0	0	21	16
Month Tot	18	425	0	0	131	4138	4	269	167	8958
Y-T-D Tot	35	1279	3	39	318	7589	21	546	317	19164
NC YTD Tot	0	0	0	0	8	1214	2	44	16	5915
C&F Month	23	459	23	191	307	6311	157	858	495	23037
C&F Y-T-D	44	2081	82	1206	611	10820	264	3685	1112	58290
C&F NC YTD	0	0	4	391	24	1489	6	407	126	27117

Other Manufacturing Technology

1000000000	0	243	0	38	0	4741	0	630	0	9661
2000000000	0	9	0	7	0	3861	0	3217	0	8837
2710003070	0	0	0	0	0	32	0	0	0	0
8428900010	0	0	0	0	22	370	1	51	9	90
8431390080	0	4	0	6	0	1018	0	73	0	457
8456101010	0	0	0	0	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	3	264
105000	0	0	0	0	4	413	0	0	2	321
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	1	47
106010	0	0	0	0	3	43	1	82	4	364
106050	7	61	0	0	50	5964	0	0	32	3861
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	0	0	1	3	0	0	5	2404
200035	0	0	0	0	3	83	0	0	0	0
200045	0	0	0	0	1	4	0	0	5	917
200055	0	0	0	0	0	0	0	0	0	0
200065	0	0	0	0	1	50	0	0	1	78
300000	0	0	0	0	1	233	0	0	3	2218
400000	0	0	0	0	0	0	1	16	0	0
510010	0	0	0	0	23	769	0	0	4	1710
510090	0	0	0	0	1	5	0	0	0	0
590000	0	0	0	0	19	503	0	0	3	120
800000	2	36	0	0	29	317	6	894	54	5732
8479899040	0	0	0	0	2	12	0	0	6	528
908040	0	0	0	0	0	41	0	18	0	1859
8537100030	0	0	0	0	0	0	0	0	3	36
9024100000	0	0	0	0	0	57	0	0	0	464
9031100000	0	0	0	0	0	3	0	0	0	406
300000	0	0	0	0	0	15	0	0	0	3
9032810020	0	0	0	0	0	0	0	0	100	5
810060	0	0	2	2	17	20	200	16	2	2

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
February 91

Metal Forming

	Italy		Japan		Korea		Singapore		Spain	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8454300010	0	0	7	4737	0	0	1	300	0	0
8462100030	1	200	3	182	0	0	0	0	0	0
100050	3	125	11	783	0	0	0	0	0	0
210080	0	0	34	2527	0	0	0	0	0	0
290030	0	0	0	0	0	0	0	0	0	0
290040	0	0	0	0	0	0	0	0	0	0
290050	20	338	8	624	0	0	0	0	0	0
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	6	250	0	0	0	0	0	0
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	0	0	0	0	0	0	25	331
910060	0	0	0	0	0	0	0	0	0	0
910090	1	21	180	770	1	29	0	0	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	3	198	0	0	0	0	0	0
990060	0	0	6	307	0	0	0	0	0	0
8463100080	0	0	13	1869	0	0	0	0	0	0
200080	0	0	3	136	0	0	0	0	0	0
300080	13	298	66	2604	0	0	0	0	0	0
900080	1	83	9	291	0	0	0	0	0	0
9800000002	5	1112	8	279	0	0	0	0	0	0
9900000002	0	0	21	35	0	0	0	0	20	5
Month Tot	44	2177	378	15591	1	29	1	300	45	336
Y-T-D Tot	141	6362	822	40471	1	29	1	300	89	915
NC YTD Tot	4	536	80	7911	0	0	0	0	0	0
C&F Month	1627	3922	4986	73764	49	2093	72	1036	236	2651
C&F Y-T-D	4868	10873	8944	162135	1705	3391	251	2150	604	5685
C&F NC YTD	15	2257	1015	111692	25	1712	12	755	134	900

Other Manufacturing Technology

1000000000	0	1533	0	11701	0	84	0	286	0	286
2000000000	0	813	0	5333	0	102	0	243	0	3
2710003070	0	0	0	6	0	0	0	0	0	0
8428900010	0	0	74	1112	0	0	0	0	0	0
8431390080	0	29	0	1822	0	0	0	0	0	4
8456101010	0	0	6	1624	0	0	0	0	0	0
101020	0	0	0	0	0	0	0	0	0	0
105000	0	0	0	0	0	0	0	0	0	0
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	1	250	0	0	0	0	0	0	0	0
106010	3	338	21	3063	2	154	0	0	0	0
106050	2	268	43	5258	0	0	0	0	0	0
200005	0	0	0	0	0	0	0	0	0	0
200015	0	0	6	1337	0	0	0	0	0	0
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	0	0	2	10	0	0	0	0
200055	0	0	0	0	0	0	0	0	0	0
200065	0	0	0	0	0	0	0	0	0	0
300000	1	596	1	329	0	0	0	0	0	0
400000	0	0	0	0	0	0	0	0	0	0
510010	1	82	1	3	0	0	0	0	0	0
510090	4	95	8	686	0	0	0	0	0	0
590000	0	0	12	567	0	0	0	0	0	0
800000	13	365	25	3067	0	0	0	0	0	0
8479899040	1	178	171	5273	0	0	0	0	3	3
908040	0	31	0	923	0	0	0	0	0	0
8537100030	0	0	491	2971	0	0	0	0	0	0
9024100000	0	18	0	56	0	0	0	0	0	148
9031100000	0	3	0	4	0	0	0	0	0	0
300000	0	0	0	267	0	0	0	0	0	0
9032810020	0	0	1526	90	0	0	0	0	0	0
810060	0	0	54	437	5000	16	0	0	0	0

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Forming Machine Tools, Machine Tool Totals and Other Manufacturing Technology
February 91

Metal Forming

	Sweden		Switzerland		Taiwan		U.K.		All Other	
	Units	\$000	Units	\$000	Units	\$000	Units	\$000	Units	\$000
8454300010	0	0	0	0	18	2	0	0	0	0
8462100030	0	0	0	0	0	0	0	0	0	0
100050	0	0	1	547	13	573	3	10	3	35
210080	0	0	4	97	0	0	0	0	2	93
290030	0	0	0	0	0	0	0	0	0	0
290040	1	50	0	0	0	0	0	0	0	0
290050	13	342	14	44	0	0	4	745	1	6
310080	0	0	0	0	0	0	0	0	0	0
390050	0	0	0	0	0	0	6	94	2	36
410080	0	0	0	0	0	0	0	0	0	0
490050	0	0	0	0	0	0	0	0	0	0
910060	0	0	0	0	0	0	0	0	0	0
910090	2	2473	0	0	37	36	7	49	0	0
990030	0	0	0	0	0	0	0	0	0	0
990035	0	0	0	0	0	0	0	0	0	0
990045	0	0	1	547	0	0	1	81	2	13
990060	0	0	0	0	6	260	0	0	0	0
8463100080	0	0	0	0	0	0	0	0	0	0
200080	0	0	0	0	1	31	0	0	0	0
300080	0	0	2	736	0	0	2	12	0	0
900080	0	0	45	480	1	5	11	108	6	111
9800000002	5	57	1	3	7	43	129	491	1	7
9900000002	6	13	6	13	647	173	6	12	88	23
Month Tot	27	2934	74	2467	730	1124	169	1602	105	324
Y-T-D Tot	39	3317	189	4414	1279	1767	1392	2956	216	1858
NC YTD Tot	0	0	5	112	0	0	1	186	7	290
C&F Month	131	4338	143	9392	79335	10174	358	8293	9433	4417
C&F Y-T-D	769	7784	333	16035	137199	25488	1730	15333	14199	14883
C&F NC YTD	3	1303	49	7922	205	7486	61	6423	116	3674

Other Manufacturing Technology

1000000000	0	1191	0	2872	0	1334	0	3856	0	3730
2000000000	0	127	0	488	0	352	0	499	0	1856
2710003070	0	0	0	0	0	0	0	0	0	0
8428900010	1	44	0	0	0	0	0	0	0	0
8431390080	0	586	0	117	0	120	0	614	0	1154
8456101010	0	0	0	0	0	0	0	0	2	26
101020	0	0	0	0	0	0	1	502	1	630
105000	0	0	0	0	0	0	3	4	1	38
201010	0	0	0	0	0	0	0	0	0	0
201050	0	0	0	0	0	0	0	0	0	0
205000	0	0	0	0	0	0	0	0	0	0
8477103000	0	0	0	0	0	0	0	0	0	0
106010	0	0	14	893	3	68	0	0	0	0
106050	0	0	2	217	5	82	3	81	8	214
200005	0	0	0	0	0	0	0	0	1	7
200015	0	0	0	0	10	91	0	0	1	48
200035	0	0	0	0	0	0	0	0	0	0
200045	0	0	0	0	0	0	0	0	0	0
200055	0	0	0	0	0	0	0	0	0	0
200065	0	0	0	0	0	0	3	176	0	0
300000	0	0	0	0	0	0	0	0	2	137
400000	0	0	0	0	0	0	0	0	0	0
510010	0	0	0	0	0	0	10	85	5	508
510090	0	0	0	0	0	0	0	0	0	0
590000	3	259	0	0	2	428	1	33	7	301
800000	0	0	6	1237	8	93	6	550	8	206
8479899040	0	0	10	617	0	0	0	0	93	400
908040	0	66	0	134	0	3	0	161	0	161
8537100030	0	0	1	2	0	0	0	0	0	0
9024100000	0	0	0	46	0	0	0	199	0	143
9031100000	0	0	0	0	0	0	0	21	0	4
300000	0	0	0	0	0	0	0	123	0	0
9032810020	0	0	2684	127	0	0	2000	19	8262	132
810060	5128	20	5	4	1700	7	10	3	245	91

Note: Product Code 1000000000 represents aggregated machine tool parts codes 8466100010 through 8466945000.

Note: "0" in units column with corresponding value means that unit measure is not meaningful.

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
February 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	\$000	UNITS	\$000	UNITS	\$000
EUROPE						
Austria	105	295	0	0	105	295
Bulgaria	0	0	0	0	0	0
Czechoslovakia	8	57	2	13	10	70
Denmark	28	185	0	0	28	185
Finland	0	0	2	93	2	93
Hungary	4	138	0	0	4	138
Ireland	48	105	0	0	48	105
Luxembourg	0	0	1	13	1	13
Netherlands	8	299	6	112	14	411
Norway	0	0	1	6	1	6
Poland	23	554	1	5	24	559
Portugal	0	0	2	36	2	36
Romania	1	9	0	0	1	9
USSR	1	12	0	0	1	12
Yugoslavia	8	273	0	0	8	273
Oth Europe	2	27	0	0	2	27
TOTAL	2858	35733	563	19448	3421	55181
NORTH AND CENTRAL AMERICA						
Barbados	0	0	0	0	0	0
Dominican Rep	0	0	0	0	0	0
Mexico	205	60	0	0	205	60
Oth N & C Am.	0	0	0	0	0	0
TOTAL	381	2233	131	4138	512	6371
SOUTH AMERICA						
Argentina	0	0	0	0	0	0
Chile	0	0	0	0	0	0
Colombia	0	0	0	0	0	0
Paraguay	0	0	0	0	0	0
Peru	0	0	0	0	0	0
Uruguay	0	0	0	0	0	0
Venezuela	0	0	0	0	0	0
Oth South Am.	0	0	0	0	0	0
TOTAL	23	191	0	0	23	191
OCEANIA						
Australia	32	174	0	0	32	174
New Zealand	2	76	0	0	2	76
Oth Oceania	0	0	0	0	0	0
TOTAL	34	250	0	0	34	250

U.S. IMPORTS
Metal Cutting and Metal Forming Machine Tool Totals
February 91

	METAL CUTTING		METAL FORMING		TOTAL	
	UNITS	\$000	UNITS	\$000	UNITS	\$000
ASIA						
China	8323	1137	88	23	8411	1160
Hong Kong	504	3	2	22	506	25
India	9	98	0	0	9	98
Indonesia	0	0	0	0	0	0
Iran	0	0	0	0	0	0
Iraq	0	0	0	0	0	0
Israel	13	447	0	0	13	447
Malaysia	0	0	0	0	0	0
Pakistan	0	0	0	0	0	0
Philippines	0	0	0	0	0	0
Thailand	4	146	0	0	4	146
Oth Asia	0	0	0	0	0	0
TOTAL	92185	71854	1200	17089	93385	88943
	-----	-----	-----	-----	-----	-----
AFRICA						
Ghana	0	0	0	0	0	0
Kenya	0	0	0	0	0	0
Niger	0	0	0	0	0	0
South Africa	0	0	0	0	0	0
Swaziland	0	0	0	0	0	0
Oth Africa	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0
	-----	-----	-----	-----	-----	-----

Note: Region totals include top countries detailed by product as well as countries listed above.

** West and East Germany are combined.

Cutting Section Notes:

Total for Metal Cutting and Metal Forming appears in Metal Forming Section.
Product Code 9000000001, Metal cutting machine tools, n.e.c., represents the
total of codes: 8461900040 and 8461900080.
n.e.c. - Not elsewhere classified.